
Page: <https://www.njit.edu/admissions/tuition-costs/>

Tuition & Costs | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

[Proposal Preparation Forms and Guide](#)

Pre-Award Services
Post-Award and Closing Requirements
Grant Management
Research Compliance
Grant and Contract Accounting
For Students
K-12 Resources
For Industry and Collaborators
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPTLO FAQs
Commercial Enterprise Development
Contact IPTLO
Undergraduate Research and Innovation Program
NJIT Research Centers and Laboratories
Research News
Research FAQs
Proposal Preparation and Submission FAQs
Grant and Contract Award Set Up FAQs
Subcontractor/Consulting Agreement FAQs
Grant and Contract Accounting FAQs
Purchase Requisition FAQs
Personnel Requisition FAQs
Research Compliance FAQ
Responsible Conduct FAQs
Institutional Review Board FAQs
Institutional Biosafety Committee (IBC) FAQs
Institutional Animal Care and Use FAQs
Export Control FAQs
Conflict of Interest/Financial Conflict of Interest FAQs
Streamlyne FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About NJIT
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Campus & Parking Maps
Maps & Directions
Virtual Tour
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence

Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Office of Student Life
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx
Jobs @ NJIT
Menu
Search
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx
Jobs @ NJIT
Search
Admissions
Academics
Research
About
Life at NJIT
Athletics
I am a...
Apply now
Home
Admissions

Tuition & Aid

Tuition & Costs

Tuition & Costs

For each academic year, the standard cost of attendance as defined by the Student Financial Aid Services (SFAS) Office depends on the student's living situation.

Tuition & Aid

In This Section

Undergraduate Admissions

Graduate Admissions

International Students

Tuition & Aid

Tuition & Costs

Financial Aid

Visiting/Non-Matriculated Students

Dates and Deadlines

Apply Now

Contact Admissions

Blog

Undergraduate Cost of Attendance* for 2024 - 2025 (two semesters at full-time**)

New Jersey Residents

Non-New Jersey Residents

Tuition

\$16,334

\$34,024

Fees

\$3,640

\$3,640

Total Tuition and Fees

\$19,974

\$37,664

** Full-time = 12-19 credits

For New Jersey resident and Non-New Jersey resident students

living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$5,200.

For New Jersey resident and Non-New Jersey resident students

living with parents

, the value for

Housing & Food is \$9,800

and

Additional Indirect Cost is \$6,900

.

For New Jersey resident and Non-New Jersey resident students

living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$6,900

.

The value for

Books & Supplies is \$3,400

(first-year and transfer non-architecture students) and

\$4,800

(first-year and transfer architecture students).

* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; Transportation; Personal Expenses; Health Insurance; and Miscellaneous.

Graduate Cost of Attendance* for 2024 - 2025 (two semesters at full-time**)

New Jersey Residents

Non-New Jersey Residents

Tuition

\$23,076

\$33,138

Fees

\$4,734

\$4,734

Total Per Year

\$27,810

\$37,872

** Full-time = 9 credits

For New Jersey resident and Non-New Jersey resident students
living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$6,400.

For New Jersey resident and Non-New Jersey resident students
living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$9,400

.

The value for

Books & Supplies is \$1,600 for non-architecture students

and

\$2,000 for architecture students.

* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Online

Graduate e-Tuition (100% online)

Cost per credit -

\$1,143

Undergraduate e-Tuition (100% online)

Cost per credit -

\$537

International Cost of Attendance* for 2024 - 2025 (two semesters at full-time**)

Undergraduate

Graduate

Tuition and Fees

\$37,664

\$38,436

Living Expenses

\$16,450

\$16,450

Other Expenses (health insurance, etc.)

\$10,787

\$10,187

Total Estimated Cost

†

\$64,901

\$65,073

** Full-time for undergraduate students = 12-19 credits

** Full-time for graduate students = 9 credits

† All expenses are estimated. Expenses are indirect costs and may vary.

* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

[Download](#)
[Schedule a visit to campus](#)
[Schedule a Visit](#)

Page: <https://www.njit.edu/apply-now>

[Apply Now | New Jersey Institute of Technology](#)
[Skip to main content](#)
[Close Nav](#)
[Admissions](#)
[Undergraduate Admissions](#)
[Freshmen](#)
[Transfers](#)
[Admission Requirements](#)
[High School Counselors](#)
[How to Apply](#)
[Admitted Students](#)
[Graduate Admissions](#)
[How to Apply](#)
[Graduate FAQs](#)
[Admitted Graduate Students](#)
[International Students](#)
[How to Apply](#)
[Applying for a Visa](#)
[Tuition & Aid](#)
[Tuition & Costs](#)
[Financial Aid](#)
[Visiting/Non-Matriculated Students](#)
[Dates and Deadlines](#)
[Apply Now](#)
[Contact Admissions](#)
[Academics](#)
[Degree Programs](#)
[Undergraduate Studies](#)
[Academic Support & Advising](#)
[Graduate Studies](#)
[Office of Graduate Studies](#)
[Online Graduate Studies](#)
[Colleges and Departments](#)
[Beyond the Classroom](#)
[Study Abroad](#)
[Research](#)
[Internships & Co-ops](#)
[Community Service](#)
[Student Leadership](#)
[Van Houten Library](#)
[Architecture Library](#)
[Professional Development and Executive Education](#)
[Pre-College Programs](#)
[Research](#)
[Office of the Senior Vice Provost for Research](#)
[About Us](#)
[Faculty Research Committees](#)
[NJIT Strategic Research Plan](#)
[Research Data and Publications](#)
[For Researchers](#)
[Courtesy Appointments](#)

Funding Opportunities
Proposal Preparation Forms and Guide
Pre-Award Services
Post-Award and Closing Requirements
Grant Management
Research Compliance
Grant and Contract Accounting
For Students
K-12 Resources
For Industry and Collaborators
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPTLO FAQs
Commercial Enterprise Development
Contact IPTLO
Undergraduate Research and Innovation Program
NJIT Research Centers and Laboratories
Research News
Research FAQs
Proposal Preparation and Submission FAQs
Grant and Contract Award Set Up FAQs
Subcontractor/Consulting Agreement FAQs
Grant and Contract Accounting FAQs
Purchase Requisition FAQs
Personnel Requisition FAQs
Research Compliance FAQ
Responsible Conduct FAQs
Institutional Review Board FAQs
Institutional Biosafety Committee (IBC) FAQs
Institutional Animal Care and Use FAQs
Export Control FAQs
Conflict of Interest/Financial Conflict of Interest FAQs
Streamlyne FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About NJIT
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Campus & Parking Maps
Maps & Directions
Virtual Tour
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations

Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Office of Student Life
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx
Jobs @ NJIT
Menu
Search
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx
Jobs @ NJIT
Search
Admissions
Academics
Research
About
Life at NJIT
Athletics
I am a...
Apply now

First-Year

NJIT is the state's leading polytechnic university. We prepare our students to be leaders in the technology-dependent economy.

Apply today as an incoming freshman!

Transfer

Students can transfer any credits completed at a regionally accredited institution provided they earned a "C" or better and the co

Make your credits count!

Graduate

What's NEXT for your career? Apply today and give yourself an edge in today's highly competitive marketplace with a graduate

Master your future!

Honors

Albert Dorman Honors College recognizes and rewards student's hard work. To apply, complete the common app for NJIT and

Are you a high achiever?

International

NJIT is home to more than 1,500 international students from over 100 countries. Learn how to apply and about our dedicated su

Make NJIT your home away from home!

Online

Get a top STEM degree without leaving home. Choose from 42+ online programs.

Previously Enrolled/Readmit

If you completed one semester at NJIT and then took a semester or longer off, you must apply for readmission.

Learn More!

Visiting/Non-Matriculated

Taking classes during summer and winter session helps speed up the time to graduation, fulfill a pre-requisite, and improve you

Quick and easy application!

Graduate Certificate

Apply today to boost your career credentials and earning potential in one of NJIT's more than 30 graduate certificate programs.

Excel in your Career!

Dual Degree Programs

Current students can apply for the Dual Degree Programs (BS/MS, BS/MBA, BArch/MS, BArch/MBA, MS/MS and BS/PhD).

Apply Now

NJIT Annual Security and Fire Report

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

Page: <https://www.njit.edu/dates-and-deadlines>

Dates and Deadlines | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

Applying for a Visa
Tuition & Aid
Tuition & Costs
Financial Aid
Visiting/Non-Matriculated Students
Dates and Deadlines
Apply Now
Contact Admissions
Academics
Degree Programs
Undergraduate Studies
Academic Support & Advising
Graduate Studies
Office of Graduate Studies
Online Graduate Studies
Colleges and Departments
Beyond the Classroom
Study Abroad
Research
Internships & Co-ops
Community Service
Student Leadership
Van Houten Library
Architecture Library
Professional Development and Executive Education
Pre-College Programs
Research
Office of the Senior Vice Provost for Research
About Us
Faculty Research Committees
NJIT Strategic Research Plan
Research Data and Publications
For Researchers
Courtesy Appointments
Funding Opportunities
Proposal Preparation Forms and Guide
Pre-Award Services
Post-Award and Closing Requirements
Grant Management
Research Compliance
Grant and Contract Accounting
For Students
K-12 Resources
For Industry and Collaborators
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPTLO FAQs
Commercial Enterprise Development
Contact IPTLO
Undergraduate Research and Innovation Program
NJIT Research Centers and Laboratories
Research News
Research FAQs
Proposal Preparation and Submission FAQs
Grant and Contract Award Set Up FAQs
Subcontractor/Consulting Agreement FAQs
Grant and Contract Accounting FAQs

[Purchase Requisition FAQs](#)
[Personnel Requisition FAQs](#)
[Research Compliance FAQ](#)
[Responsible Conduct FAQs](#)
[Institutional Review Board FAQs](#)
[Institutional Biosafety Committee \(IBC\) FAQs](#)
[Institutional Animal Care and Use FAQs](#)
[Export Control FAQs](#)
[Conflict of Interest/Financial Conflict of Interest FAQs](#)
[Streamlyne FAQs](#)
[Contact Us](#)
[Research Staff Assignments](#)
[Feedback/Comments](#)
[Research/Technology Inquiries](#)
[About NJIT](#)
[Key Facts](#)
[Rankings and Recognition](#)
[Administration](#)
[Senior Administration](#)
[Administrative Departments](#)
[History of NJIT](#)
[Our Mission and Values](#)
[Alma Maters](#)
[Visiting NJIT](#)
[Campus & Parking Maps](#)
[Maps & Directions](#)
[Virtual Tour](#)
[Public Transportation to Campus](#)
[Local Accommodations](#)
[About Newark and New York City](#)
[News](#)
[Contact Us](#)
[Life at NJIT](#)
[Activities & Organizations](#)
[Hispanic and Latinx Leadership Council](#)
[Inclusive Excellence](#)
[Career Center](#)
[Campus Center](#)
[Housing & Dining](#)
[On-Campus Housing](#)
[On-Campus Dining](#)
[Off-Campus Housing](#)
[Off-Campus Dining](#)
[Office of Student Life](#)
[Health & Safety](#)
[Student Health Services](#)
[Counseling and Psychological Services](#)
[Public Safety](#)
[Recreation & Fitness](#)
[Gyms & Facilities](#)
[Intramural Sports](#)
[Transportation & Parking](#)
[On & Around Campus](#)
[Athletics](#)
[NJIT Highlanders](#)
[Apply now](#)
[Undergraduate Students](#)
[Transfer Students](#)
[Graduate Students](#)

[Continuing Education](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Canvas](#)

[WebEx](#)

[Jobs @ NJIT](#)

[Menu](#)

[Search](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Canvas](#)

[WebEx](#)

[Jobs @ NJIT](#)

[Search](#)

[Admissions](#)

[Academics](#)

[Research](#)

[About](#)

[Life at NJIT](#)

[Athletics](#)

[I am a...](#)

[Apply now](#)

[Home](#)

[Admissions](#)

[Dates and Deadlines](#)

[Dates and Deadlines](#)

Important dates and deadlines for each student population can be found below.

[Admissions](#)

[In This Section](#)

[Undergraduate Admissions](#)

[Graduate Admissions](#)

[International Students](#)

[Tuition & Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Blog](#)

[Undergraduate First-Year Students](#)

[Fall Semester](#)

[Early Action I](#)

[: November 15](#)

[Early Action II:](#)

[December 15](#)

[Honors College:](#)

[February 1](#)

[Rolling Admission:](#)

March 1

Spring Semester:

Rolling Admission

: November 1

Previously Enrolled/Readmit Students

Fall Semester:

August 1

Spring Semester:

November 15

If you are returning from an academic suspension, the deadlines are earlier:

Fall Semester:

July 1

Spring Semester:

November 1

Transfer Students

Fall Semester:

June 1

Spring Semester:

November 15

Your application will be evaluated as soon as your file is complete.

Graduate Students

NJIT employs rolling admissions, so your application will be evaluated once it is submitted, and all requirements have been completed.

APPLICATION TYPE

FALL

SPRING

Ph.D.

December 15

October 15

Master's - International

May 1

November 15

Master's - Domestic

June 1

November 15

Master's - Online

August 1

November 15

The deadlines above are considered priority deadlines. If a priority deadline has passed, you may still be able to be considered.

Ph.D. Applicants

Students who apply and submit all supplemental materials prior to the cutoff dates will be given priority consideration for funding.

International Applicants

It is recommended that international students begin the application process six months prior to the start of the semester to allow time for visa processing.

There are also final cutoff dates for each semester, by which all the application requirements must be completed:

Undergraduate International Applicants

Fall semester: March 1

Spring semester: October 15

Graduate International Applicants

Fall: May 1

Spring: November 15

Your application will be evaluated as soon as your file is complete.

Application Fees

The non-refundable application fee is \$75.

How to Apply

Callout Link

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

[Schedule a visit to campus](#)
[Schedule a Visit](#)

Page: <https://www.njit.edu/academics/colleges-and-departments>

[Colleges and Departments | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

Proposal Preparation Forms and Guide
Pre-Award Services
Post-Award and Closing Requirements
Grant Management
Research Compliance
Grant and Contract Accounting
For Students
K-12 Resources
For Industry and Collaborators
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPTLO FAQs
Commercial Enterprise Development
Contact IPTLO
Undergraduate Research and Innovation Program
NJIT Research Centers and Laboratories
Research News
Research FAQs
Proposal Preparation and Submission FAQs
Grant and Contract Award Set Up FAQs
Subcontractor/Consulting Agreement FAQs
Grant and Contract Accounting FAQs
Purchase Requisition FAQs
Personnel Requisition FAQs
Research Compliance FAQ
Responsible Conduct FAQs
Institutional Review Board FAQs
Institutional Biosafety Committee (IBC) FAQs
Institutional Animal Care and Use FAQs
Export Control FAQs
Conflict of Interest/Financial Conflict of Interest FAQs
Streamlyne FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About NJIT
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Campus & Parking Maps
Maps & Directions
Virtual Tour
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council

[Inclusive Excellence](#)
[Career Center](#)
[Campus Center](#)
[Housing & Dining](#)
[On-Campus Housing](#)
[On-Campus Dining](#)
[Off-Campus Housing](#)
[Off-Campus Dining](#)
[Office of Student Life](#)
[Health & Safety](#)
[Student Health Services](#)
[Counseling and Psychological Services](#)
[Public Safety](#)
[Recreation & Fitness](#)
[Gyms & Facilities](#)
[Intramural Sports](#)
[Transportation & Parking](#)
[On & Around Campus](#)
[Athletics](#)
[NJIT Highlanders](#)
[Apply now](#)
[Undergraduate Students](#)
[Transfer Students](#)
[Graduate Students](#)
[Continuing Education](#)
[Alumni](#)
[Giving](#)
[MyNJIT Login](#)
[Tools](#)
[Calendars](#)
[Campus Directory](#)
[A-Z Site Index](#)
[Webmail](#)
[Canvas](#)
[WebEx](#)
[Jobs @ NJIT](#)
[Menu](#)
[Search](#)
[Alumni](#)
[Giving](#)
[MyNJIT Login](#)
[Tools](#)
[Calendars](#)
[Campus Directory](#)
[A-Z Site Index](#)
[Webmail](#)
[Canvas](#)
[WebEx](#)
[Jobs @ NJIT](#)
[Search](#)
[Admissions](#)
[Academics](#)
[Research](#)
[About](#)
[Life at NJIT](#)
[Athletics](#)
[I am a...](#)
[Apply now](#)
[Home](#)

[Academics](#)

[Colleges and Departments](#)

[Colleges and Departments](#)

The foundation of learning at NJIT is based on computing and technology, so our students are prepared for the workplace, advanced

[Academics](#)

[In This Section](#)

[Undergraduate Studies](#)

[Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

Our six colleges offer rigorous academics, but the education our students receive goes beyond the classroom. Working in labs,

[Newark College of Engineering](#)

[Department of Biomedical Engineering](#)

[Otto H. York Department of Chemical and Materials Engineering](#)

[John A. Reif, Jr. Department of Civil and Environmental Engineering](#)

[Helen and John C. Hartmann Department of Electrical and Computer Engineering](#)

[School of Applied Engineering and Technology](#)

[Department of Mechanical & Industrial Engineering](#)

[Jordan Hu College of Science and Liberal Arts](#)

[Department of Aerospace Studies \(AFROTC\)](#)

[Department of Chemistry and Environmental Science](#)

[Department of Humanities and Social Sciences](#)

[Department of Mathematical Sciences](#)

[Department of Physics](#)

[Federated Department of Biological Sciences](#)

[Federated Department of History](#)

[Rutgers/NJIT Theatre Arts Program](#)

[J. Robert and Barbara A. Hillier College of Architecture and Design](#)

[NJ School of Architecture](#)

[School of Art and Design](#)

[Ying Wu College of Computing](#)

[Department of Computer Science](#)

[Department of Data Science](#)

[Department of Informatics](#)

[Martin Tuchman School of Management](#)

[Albert Dorman Honors College](#)

[Fill out an online](#)

[application today!](#)

[Apply Online](#)

[Download a brochure and learn about NJIT](#)

[Download](#)

[Schedule a visit to campus](#)

[Schedule a Visit](#)

Page: <https://www.njit.edu/inclusive>

[Office of Inclusive Excellence | Diversity and Inclusion](#)

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

High School Counselors
How to Apply
Admitted Students
Graduate Admissions
How to Apply
Graduate FAQs
Admitted Graduate Students
International Students
How to Apply
Applying for a Visa
Tuition & Aid
Tuition & Costs
Financial Aid
Visiting/Non-Matriculated Students
Dates and Deadlines
Apply Now
Contact Admissions
Academics
Degree Programs
Undergraduate Studies
Academic Support & Advising
Graduate Studies
Office of Graduate Studies
Online Graduate Studies
Colleges and Departments
Beyond the Classroom
Study Abroad
Research
Internships & Co-ops
Community Service
Student Leadership
Van Houten Library
Architecture Library
Professional Development and Executive Education
Pre-College Programs
Research
Office of the Senior Vice Provost for Research
About Us
Faculty Research Committees
NJIT Strategic Research Plan
Research Data and Publications
For Researchers
Courtesy Appointments
Funding Opportunities
Proposal Preparation Forms and Guide
Pre-Award Services
Post-Award and Closing Requirements
Grant Management
Research Compliance
Grant and Contract Accounting
For Students
K-12 Resources
For Industry and Collaborators
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPTLO FAQs
Commercial Enterprise Development

Contact IPTLO
Undergraduate Research and Innovation Program
NJIT Research Centers and Laboratories
Research News
Research FAQs
Proposal Preparation and Submission FAQs
Grant and Contract Award Set Up FAQs
Subcontractor/Consulting Agreement FAQs
Grant and Contract Accounting FAQs
Purchase Requisition FAQs
Personnel Requisition FAQs
Research Compliance FAQ
Responsible Conduct FAQs
Institutional Review Board FAQs
Institutional Biosafety Committee (IBC) FAQs
Institutional Animal Care and Use FAQs
Export Control FAQs
Conflict of Interest/Financial Conflict of Interest FAQs
Streamlyne FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About NJIT
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Campus & Parking Maps
Maps & Directions
Virtual Tour
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Office of Student Life
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities

[Intramural Sports](#)
[Transportation & Parking](#)
[On & Around Campus](#)
[Athletics](#)
[NJIT Highlanders](#)
[Apply now](#)
[Undergraduate Students](#)
[Transfer Students](#)
[Graduate Students](#)
[Continuing Education](#)
[Alumni](#)
[Giving](#)
[MyNJIT Login](#)
[Tools](#)
[Calendars](#)
[Campus Directory](#)
[A-Z Site Index](#)
[Webmail](#)
[Canvas](#)
[WebEx](#)
[Jobs @ NJIT](#)
[Menu](#)
[Search](#)
[Alumni](#)
[Giving](#)
[MyNJIT Login](#)
[Tools](#)
[Calendars](#)
[Campus Directory](#)
[A-Z Site Index](#)
[Webmail](#)
[Canvas](#)
[WebEx](#)
[Jobs @ NJIT](#)
[Search](#)
[Admissions](#)
[Academics](#)
[Research](#)
[About](#)
[Life at NJIT](#)
[Athletics](#)
[I am a...](#)
[Apply now](#)
[Programs & Events](#)
[Discover university programs and events that support inclusive community.](#)
[Learn More](#)
[Inclusive Excellence Resources](#)
[Resources pages for creating a more welcoming NJIT](#)
[Learn More](#)
[Contact & Engagement](#)
[Contact & Engagement](#)
[Learn More](#)
[Request a Workshop](#)
[Request a workshop](#)
[Learn More](#)
[University non discrimination policy](#)
[University non discrimination policy](#)
[Learn More](#)
[News & Articles](#)

[News & Articles](#)

[Learn More](#)

[Events Calendar](#)

[News](#)

Here's what's been happening with us.

[NJIT's David Jones Recognized as a Top 15 Champion of Diversity in 2023](#)

[NJIT Sets New Enrollment, Diversity Records With Incoming Class](#)

[NJIT Earns Minority-Serving Institution Designation](#)

[As Forum Approaches, NJIT's Chief Diversity Officer Talks Students, Curriculum and Training](#)

[One on One with Steve Adubato featuring NJIT Chief Diversity Officer](#)

[

[view all news](#)

]

Page: <https://www.njit.edu/incoming-freshmen-your-future-starts-here>

[Incoming First-Year Students: Your Future Starts Here | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

Professional Development and Executive Education
Pre-College Programs
Research
Office of the Senior Vice Provost for Research
About Us
Faculty Research Committees
NJIT Strategic Research Plan
Research Data and Publications
For Researchers
Courtesy Appointments
Funding Opportunities
Proposal Preparation Forms and Guide
Pre-Award Services
Post-Award and Closing Requirements
Grant Management
Research Compliance
Grant and Contract Accounting
For Students
K-12 Resources
For Industry and Collaborators
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPTLO FAQs
Commercial Enterprise Development
Contact IPTLO
Undergraduate Research and Innovation Program
NJIT Research Centers and Laboratories
Research News
Research FAQs
Proposal Preparation and Submission FAQs
Grant and Contract Award Set Up FAQs
Subcontractor/Consulting Agreement FAQs
Grant and Contract Accounting FAQs
Purchase Requisition FAQs
Personnel Requisition FAQs
Research Compliance FAQ
Responsible Conduct FAQs
Institutional Review Board FAQs
Institutional Biosafety Committee (IBC) FAQs
Institutional Animal Care and Use FAQs
Export Control FAQs
Conflict of Interest/Financial Conflict of Interest FAQs
Streamlyne FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About NJIT
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT

Campus & Parking Maps
Maps & Directions
Virtual Tour
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Office of Student Life
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx
Jobs @ NJIT
Menu
Search
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx

Jobs @ NJIT

Search

Admissions

Academics

Research

About

Life at NJIT

Athletics

I am a...

Apply now

NJIT prepares students to be leaders in the most in-demand fields

Our technology-rich academics, hands-on learning, and ideal location make NJIT one of the best returns on investment in the n

First-Year Application Checklist

Completed application - NJIT accepts the

Common Application

for First-Year admission

Application fee (or a College Board or other fee waiver)

High school transcript

SAT (use code 2513) or ACT (use code 2580) - see

Test-Optional Admission Policy for Fall 2025

Letter of recommendation

Portfolio (for applicants who wish to attend the Hillier College of Architecture and Design) - see

Admission and Portfolio Requirements

First-Year Important Dates

Fall Semester

Early Action I: November 15

Early Action II: December 15

Honors College: February 1

Rolling Admission: March 1

Spring Semester

Rolling Admission: November 1

Schedule a Visit

Tuition and Aid

Contact Us For More Questions

Director of Student Recruitment

Anthony Jackson

anthony.jackson@njit.edu

Associate Director of Recruitment

- Essex, NJ; Community Based Organizations

Magda Francois

magda.francois@njit.edu

Admissions Recruiter

- Bergen and Union Counties; Rockland and Staten Island, NY

Danielle Drago

danielle.drago@njit.edu

Admissions Recruiter

- Atlantic, Camden, Cape May, Cumberland, Hudson, Monmouth, Ocean and Salem Counties; DE; MD; VA

Ariana Rivera-Maldonado

ariana.riveramaldonado@njit.edu

Admissions Recruiter

- Hunterdon, Morris, Somerset, Sussex and Warren Counties; Long Island, NY

Alexis Telyczka

alexis.telyczka@njit.edu

Admissions Recruiter

- Burlington, Gloucester and Mercer Counties; PA; Upstate NY

Yenitza (Jenny) Ruiz

yenitza.ruiz@njit.edu

Meet Some of Our Students

At NJIT you'll thrive in a community that's constantly pushing science and innovation to the next level.

[Apply Now](#)

"With my major I was allowed to explore two different fields which I feel has been beneficial to my growth as a student."

Zenit Winfield

Class of 2021

"As a freshman I was offered three internship opportunities in the summer."

Stephon De Silva

Class of 2018

"NJIT's high-quality education is preparing me for the challenges that I will face in the future."

Victor Pujades

Class of 2020

Top 25

College Where Graduates Can Earn Six-Figure Salaries

Source: Money Magazine

#1

Public University for Alumni Earnings, Economic Mobility, and Academic Profile

Source: New York Times

Find the major or degree program right for you.

[Learn more](#)

Fill out an online
application today!

[Apply Online](#)

[Download a brochure and learn about NJIT](#)

[Download](#)

[Schedule a visit to campus](#)

[Schedule a Visit](#)

Page: <http://www.njit.edu/calendar>

[Calendar of Events | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

Graduate Studies
Office of Graduate Studies
Online Graduate Studies
Colleges and Departments
Beyond the Classroom
Study Abroad
Research
Internships & Co-ops
Community Service
Student Leadership
Van Houten Library
Architecture Library
Professional Development and Executive Education
Pre-College Programs
Research
Office of the Senior Vice Provost for Research
About Us
Faculty Research Committees
NJIT Strategic Research Plan
Research Data and Publications
For Researchers
Courtesy Appointments
Funding Opportunities
Proposal Preparation Forms and Guide
Pre-Award Services
Post-Award and Closing Requirements
Grant Management
Research Compliance
Grant and Contract Accounting
For Students
K-12 Resources
For Industry and Collaborators
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPTLO FAQs
Commercial Enterprise Development
Contact IPTLO
Undergraduate Research and Innovation Program
NJIT Research Centers and Laboratories
Research News
Research FAQs
Proposal Preparation and Submission FAQs
Grant and Contract Award Set Up FAQs
Subcontractor/Consulting Agreement FAQs
Grant and Contract Accounting FAQs
Purchase Requisition FAQs
Personnel Requisition FAQs
Research Compliance FAQ
Responsible Conduct FAQs
Institutional Review Board FAQs
Institutional Biosafety Committee (IBC) FAQs
Institutional Animal Care and Use FAQs
Export Control FAQs
Conflict of Interest/Financial Conflict of Interest FAQs
Streamlyne FAQs
Contact Us
Research Staff Assignments

Feedback/Comments
Research/Technology Inquiries
About NJIT
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Campus & Parking Maps
Maps & Directions
Virtual Tour
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Office of Student Life
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx
Jobs @ NJIT

[Menu](#)
[Search](#)
[Alumni](#)
[Giving](#)
[MyNJIT Login](#)
[Tools](#)
[Calendars](#)
[Campus Directory](#)
[A-Z Site Index](#)
[Webmail](#)
[Canvas](#)
[WebEx](#)
[Jobs @ NJIT](#)
[Search](#)
[Admissions](#)
[Academics](#)
[Research](#)
[About](#)
[Life at NJIT](#)
[Athletics](#)
[I am a...](#)
[Apply now](#)
[Calendar of Events](#)
[Submit Event](#)

Page: <https://www.njit.edu/inclusive/ib-njit-features>

[IB at NJIT Features | Diversity and Inclusion](#)

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

Online Graduate Studies
Colleges and Departments
Beyond the Classroom
Study Abroad
Research
Internships & Co-ops
Community Service
Student Leadership
Van Houten Library
Architecture Library
Professional Development and Executive Education
Pre-College Programs
Research
Office of the Senior Vice Provost for Research
About Us
Faculty Research Committees
NJIT Strategic Research Plan
Research Data and Publications
For Researchers
Courtesy Appointments
Funding Opportunities
Proposal Preparation Forms and Guide
Pre-Award Services
Post-Award and Closing Requirements
Grant Management
Research Compliance
Grant and Contract Accounting
For Students
K-12 Resources
For Industry and Collaborators
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPTLO FAQs
Commercial Enterprise Development
Contact IPTLO
Undergraduate Research and Innovation Program
NJIT Research Centers and Laboratories
Research News
Research FAQs
Proposal Preparation and Submission FAQs
Grant and Contract Award Set Up FAQs
Subcontractor/Consulting Agreement FAQs
Grant and Contract Accounting FAQs
Purchase Requisition FAQs
Personnel Requisition FAQs
Research Compliance FAQ
Responsible Conduct FAQs
Institutional Review Board FAQs
Institutional Biosafety Committee (IBC) FAQs
Institutional Animal Care and Use FAQs
Export Control FAQs
Conflict of Interest/Financial Conflict of Interest FAQs
Streamlyne FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries

About NJIT
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Campus & Parking Maps
Maps & Directions
Virtual Tour
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Office of Student Life
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx
Jobs @ NJIT
Menu
Search

[Alumni](#)
[Giving](#)
[MyNJIT Login](#)
[Tools](#)
[Calendars](#)
[Campus Directory](#)
[A-Z Site Index](#)
[Webmail](#)
[Canvas](#)
[WebEx](#)
[Jobs @ NJIT](#)
[Search](#)
[Admissions](#)
[Academics](#)
[Research](#)
[About](#)
[Life at NJIT](#)
[Athletics](#)
[I am a...](#)
[Apply now](#)
[Home](#)
[IB at NJIT Features](#)
[IB at NJIT Features](#)
[News about Office of Inclusive Excellence](#)
[News](#)
[In This Section](#)
[Home](#)
[Signature Programs](#)
[Contact & Engagement](#)
[University Non-discrimination Policy](#)
[News](#)
[Inclusive Excellence Resources](#)
[Request a Workshop](#)
[NJIT's David Jones Recognized as a Top 15 Champion of Diversity in 2023](#)
[NJIT Sets New Enrollment, Diversity Records With Incoming Class](#)
[NJIT Earns Minority-Serving Institution Designation](#)
[As Forum Approaches, NJIT's Chief Diversity Officer Talks Students, Curriculum and Training](#)
[One on One with Steve Adubato featuring NJIT Chief Diversity Officer](#)
[New Jersey Institute of Technology Hires a Leading Voice for Diversity](#)
[Through Pathways, Training and Research, NJIT Deepens Diversity on Campus](#)

Page: <https://www.njit.edu/research/researchers/post-award.php>

[Post-Award Management | Research](#)
[Skip to main content](#)
[Admissions](#)
[Undergraduate Admissions](#)
[How We Evaluate Applicants](#)
[How to Apply](#)
[Admitted Students](#)
[Graduate Admissions](#)
[How to Apply](#)
[Admitted Graduate Students](#)
[Graduate FAQs](#)
[International Students](#)
[How to Apply](#)
[Applying for a Visa](#)

Tuition & Aid
Tuition & Costs
Financial Aid
Apply Now
Contact Admissions
Academics
Degree Programs
Undergraduate Studies
Majors and Minors
Academic Support & Advising
Graduate Studies
Graduate Degree Programs
Online Graduate Studies
Colleges and Departments
Beyond the Classroom
Study Abroad
Research
Internships & Co-ops
Community Service
Student Leadership
Van Houten Library
Architecture Library
Professional & Corporate Education
Pre-College Programs
Research
Office of the Senior Vice Provost for Research
NJIT Strategic Research Plan
Research Data and Publications
About Us
Centers and Laboratories
For Researchers
Funding Opportunities
Active Programs and Grants
Proposal Preparation Forms and Guide
Policies
Pre-Award Services
Grant Management Guide
Grant and Contract Accounting
Post-Award and Closing Requirements
Grant Management Software System
Research Compliance
Responsible Conduct of Research
Institutional Review Board
Institutional Biosafety Committee
Laboratory Safety, Training and Compliance
Animal Care and Use (IACUC)
Export Control
CITI Software
OMB Uniform Guidance
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPP FAQs
Intellectual Property (IP) Committee Members
Commercial Enterprise Development
Contact DIPP
Educational Grant Support Resource
Educational Programs Support and Centers

Academic Achievement Program Agreements
Funding Resources and Opportunities
Proposal and IRB Templates
For Students
Undergraduate Research and Innovation Program
For Industry and Collaborators
Courtesy Appointments
Distinguished Research Panels/Seminars
Research News
Research FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Maps and Directions
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving

MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Menu
Search
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Search
Admissions
Academics
Research
About
Life at NJIT
Athletics
I am a...
Apply now
NJIT Implementation of Recent Executive Orders
Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research
Home
For Researchers
Post-Award Management
Post-Award Management
This team is comprised of the grant managers and accountants providing institutional financial oversight on sponsored research
For Researchers
In This Section
Home
Office of the Senior Vice Provost for Research
For Researchers
Roles and Responsibilities in Grant Management
Funding Opportunities
Streamlyne
Pre-Award Services
Post-Award Management
Grant Monitoring Reports
Award Types
Financial Management
Participant Support Costs
Time and Effort Certifications
Subaward Contracting and Monitoring
Award Closeouts
Research Compliance
Research Policies
Courtesy Appointments
Pivot-RP Research Funding
For Students
Undergraduate Research and Innovation Program

For Industry and Collaborators
Intellectual Property and Commercialization
NJIT Research Centers and Laboratories
Faculty Awards Initiative
National Academy of Inventors - NJIT
Research FAQs
Research News
Contact Us

The

Post-Award Management

team provides several functions that begin when an externally sponsored research award is funded. These services include ens

In addition, the Post-Award Management team prepares the A-133 annual audit report, develops policies/procedures that suppo

Page: <https://www.njit.edu/research/researchers/grants-acctg.php>

Page: <https://www.njit.edu/research/compliance/conduct.php>

Responsible Conduct of Research | Research

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[How We Evaluate Applicants](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Admitted Graduate Students](#)

[Graduate FAQs](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Majors and Minors](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Graduate Degree Programs](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

Professional & Corporate Education
Pre-College Programs
Research
Office of the Senior Vice Provost for Research
NJIT Strategic Research Plan
Research Data and Publications
About Us
Centers and Laboratories
For Researchers
Funding Opportunities
Active Programs and Grants
Proposal Preparation Forms and Guide
Policies
Pre-Award Services
Grant Management Guide
Grant and Contract Accounting
Post-Award and Closing Requirements
Grant Management Software System
Research Compliance
Responsible Conduct of Research
Institutional Review Board
Institutional Biosafety Committee
Laboratory Safety, Training and Compliance
Animal Care and Use (IACUC)
Export Control
CITI Software
OMB Uniform Guidance
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPP FAQs
Intellectual Property (IP) Committee Members
Commercial Enterprise Development
Contact DIPP
Educational Grant Support Resource
Educational Programs Support and Centers
Academic Achievement Program Agreements
Funding Resources and Opportunities
Proposal and IRB Templates
For Students
Undergraduate Research and Innovation Program
For Industry and Collaborators
Courtesy Appointments
Distinguished Research Panels/Seminars
Research News
Research FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values

Alma Maters
Visiting NJIT
Maps and Directions
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Menu
Search
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Search
Admissions

Academics
Research
About
Life at NJIT
Athletics
I am a...
Apply now
NJIT Implementation of Recent Executive Orders
Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research
Home
For Researchers
Research Compliance
Responsible Conduct of Research
Responsible Conduct of Research
NJIT research community is committed to the highest standards of professional integrity, ethics and responsible conduct of rese
Research Compliance
In This Section
Home
Office of the Senior Vice Provost for Research
For Researchers
Roles and Responsibilities in Grant Management
Funding Opportunities
Streamlyne
Pre-Award Services
Post-Award Management
Research Compliance
Responsible Conduct of Research
Institutional Review Board
Institutional Biosafety Committee
Laboratory Safety, Training and Compliance
Care and Use of Animals in Research
Export Controls
Required Compliance Training (CITI)
Conflict of Interest (COI)
Research Policies
Courtesy Appointments
Pivot-RP Research Funding
For Students
Undergraduate Research and Innovation Program
For Industry and Collaborators
Intellectual Property and Commercialization
NJIT Research Centers and Laboratories
Faculty Awards Initiative
National Academy of Inventors - NJIT
Research FAQs
Research News
Contact Us
Responsible Conduct of Research (RCR)
is the practice of scientific investigation with integrity. It involves the awareness and application of established professional norm
RCR Required Training:
NJIT requires that all personnel engaged in research be trained in the Responsible Conduct of Research (RCR) as part of their
CITI (Collaborative Institutional Training Initiative)
RCR course in the Responsible Conduct of Research to provide general and program-specific courses in RCR. All those with a
Federal Requirements
Federal requirements require Responsible Conduct of Research (RCR) training for scholars funded by NSF, USDA and NIH. T
CITI
Training Portal
.
National Science Foundation (NSF):

The recent America COMPETES Act requires responsible conduct of research (RCR) training for all undergraduates, graduates
National Institutes of Health (NIH):
NIH requires that all trainees, fellows, participants, and scholars receiving support through any NIH training, career development
U.S. Department of Agriculture (USDA):
Effective for awards subject to the February 2013 Research Terms and Conditions (and those issued subsequently), the USDA

Page: <https://www.njit.edu/research/news/>

[News | Research](#)

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[How We Evaluate Applicants](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Admitted Graduate Students](#)

[Graduate FAQs](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Majors and Minors](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Graduate Degree Programs](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional & Corporate Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[About Us](#)

[Centers and Laboratories](#)

[For Researchers](#)

[Funding Opportunities](#)

[Active Programs and Grants](#)

[Proposal Preparation Forms and Guide](#)

[Policies](#)

Pre-Award Services
Grant Management Guide
Grant and Contract Accounting
Post-Award and Closing Requirements
Grant Management Software System
Research Compliance
Responsible Conduct of Research
Institutional Review Board
Institutional Biosafety Committee
Laboratory Safety, Training and Compliance
Animal Care and Use (IACUC)
Export Control
CITI Software
OMB Uniform Guidance
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPP FAQs
Intellectual Property (IP) Committee Members
Commercial Enterprise Development
Contact DIPP
Educational Grant Support Resource
Educational Programs Support and Centers
Academic Achievement Program Agreements
Funding Resources and Opportunities
Proposal and IRB Templates
For Students
Undergraduate Research and Innovation Program
For Industry and Collaborators
Courtesy Appointments
Distinguished Research Panels/Seminars
Research News
Research FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Maps and Directions
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center

Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Menu
Search
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Search
Admissions
Academics
Research
About
Life at NJIT
Athletics
I am a...
Apply now
NJIT Implementation of Recent Executive Orders
Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research
Home
News
News
News

In This Section

[Home](#)

[Office of the Senior Vice Provost for Research](#)

[For Researchers](#)

[For Students](#)

[Undergraduate Research and Innovation Program](#)

[For Industry and Collaborators](#)

[Intellectual Property and Commercialization](#)

[NJIT Research Centers and Laboratories](#)

[Faculty Awards Initiative](#)

[National Academy of Inventors - NJIT](#)

[Research FAQs](#)

[Research News](#)

[Contact Us](#)

[NJIT Study Probes Genetic 'Smoking Gun,' Health Risks of Vaping Among Gen Z](#)

Monday, April 14, 2025

We all know how bad smoking is for you, but what about vaping?

Revealing the Heavy Impacts of Repeated Low-Level Head Traumas

Monday, April 7, 2025

Soldiers training on heavy artillery and athletes in contact sports are routinely exposed to repetitive mild shockwaves and injuries

Modeling the Body's Tiniest Operations in Vivid 3D

Thursday, April 3, 2025

Threaded throughout the body are networks of capillaries so miniscule that red blood cells must contort to squeeze through them

Restoring Muscles by Stimulating the Brain

Tuesday, April 1, 2025

Elisa Kallioniemi slides a circular disk over her head, stops above her right ear and clicks. Her left hand jumps. She moves it a centimeter

NJIT Computing Professor Zhi Wei Named Fellow of AAAS, Follows IEEE Honor

Friday, March 28, 2025

Zhi Wei, a bioinformaticist, was elected to the 2024 Fellows class of the prestigious American Association for the Advancement of Science

From 3D Bioprinting to Disease Tracking, NJIT Showcases its Groundbreaking Labs

Wednesday, March 26, 2025

Throughout the year, NJIT researchers focus on unsolved problems in areas such as medical science, energy sustainability and cybersecurity

NJIT Unveils VR Crime Scene Tech, Research at Nation's Largest Forensic Conference

Wednesday, March 19, 2025

NJIT's forensics program made an impression at the 77th Annual American Academy of Forensic Sciences' Conference in Baltimore

Experts from NJIT, Carnegie Mellon Find the Pen is Mightier than the Data

Friday, March 14, 2025

Plenty of researchers already study how to tell if online writing bears the traits of artificial intelligence — but Michael Laudenbach

NJIT's First-Year Engineers 'Dive' into Design, Shaping the Future at Annual Showcase

Tuesday, March 11, 2025

The spirit of innovation and hands-on learning was in full force at the Newark College of Engineering's (NCE) annual First-Year Engineers

NJIT Mathematician to Help Map Earth's Last Frontier with Navy Grant

Thursday, March 6, 2025

We've mapped nearly all of Mars' surface from orbit, yet we know less about Earth's ocean floor — almost 75% remains unmapped

1

2

3

4

5

6

7

8

9

10

»

Page: <https://www.njit.edu/hllc>

[Hispanic and Latinx Leadership Council | Hispanic and Latinx Leadership Council](#)

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

[Proposal Preparation Forms and Guide](#)

Pre-Award Services
Post-Award and Closing Requirements
Grant Management
Research Compliance
Grant and Contract Accounting
For Students
K-12 Resources
For Industry and Collaborators
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPTLO FAQs
Commercial Enterprise Development
Contact IPTLO
Undergraduate Research and Innovation Program
NJIT Research Centers and Laboratories
Research News
Research FAQs
Proposal Preparation and Submission FAQs
Grant and Contract Award Set Up FAQs
Subcontractor/Consulting Agreement FAQs
Grant and Contract Accounting FAQs
Purchase Requisition FAQs
Personnel Requisition FAQs
Research Compliance FAQ
Responsible Conduct FAQs
Institutional Review Board FAQs
Institutional Biosafety Committee (IBC) FAQs
Institutional Animal Care and Use FAQs
Export Control FAQs
Conflict of Interest/Financial Conflict of Interest FAQs
Streamlyne FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About NJIT
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Campus & Parking Maps
Maps & Directions
Virtual Tour
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence

Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Office of Student Life
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx
Jobs @ NJIT
Menu
Search
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Canvas
WebEx
Jobs @ NJIT
Search
Admissions
Academics
Research
About
Life at NJIT
Athletics
I am a...
Apply now
Celebration of NJIT's Hispanic Serving Institute (HSI) Designation
Please join President Teik Lim and the NJIT community for an evening of celebration and recognition.

Date:

Thursday, September 19, 2024

Time:

6:00 p.m. - 8:30 p.m.

Registration & Information

New Jersey Institute of Technology has launched the Hispanic and Latinx Leadership Council (HLLC) to propel its mission of er

The 11-person council — which features leaders in business and community advocacy, including seven alumni — will advise, c

For information on how to get involved with the HLLC, email

Michael Wall

, associate vice president of Development & Alumni Relations.

Find popular links and information below

About the HLLC

The HLLC propels NJIT's mission of enrolling more Hispanic and Latinx students and achieve its goal of becoming a Hispanic-s

Learn More

News & Highlights

See how Hispanic and Latin students, faculty and staff are making a difference.

Learn More

Pre-College Programs

NJIT offers a wide variety of programs for students, educators and families to nurture STEM learning for grades 4 -12.

Learn More

Student Resources

From professional clubs, to Greek life, to tutoring options, there are resources to stay engaged on and off campus.

Learn More

Financial Aid & Scholarships

NJIT is committed to helping you develop a concrete plan for financing your degree, from estimating the cost of attending to lea

Learn More

Popular Departments

Here you can quickly find a list of NJIT's popular departments and contact info.

Learn More

The College Tour: en Español - NJIT

See what our students are doing

NJIT mentors STEM-oriented Hispanic and Latinx students

Read More

"I am gaining an excellent education at NJIT that is preparing me for my goals as a researcher in academia. "

JonPierre Grajales

Class of 2021

"NJIT provided me with an educational, competitive and encouraging environment that will serve me well in the future."

Pablo Arrutia

Class of 2019

"Getting an internship at an aerospace engineering corporation changed my future. After I graduate with my mechanical engine

Mina Morcos

Class of 2020

Page: <https://www.njit.edu/research/uniform-administrative-requirements/>

Federal Policies and Regulations | Research

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[How We Evaluate Applicants](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Admitted Graduate Students](#)

[Graduate FAQs](#)

[International Students](#)

How to Apply
Applying for a Visa
Tuition & Aid
Tuition & Costs
Financial Aid
Apply Now
Contact Admissions
Academics
Degree Programs
Undergraduate Studies
Majors and Minors
Academic Support & Advising
Graduate Studies
Graduate Degree Programs
Online Graduate Studies
Colleges and Departments
Beyond the Classroom
Study Abroad
Research
Internships & Co-ops
Community Service
Student Leadership
Van Houten Library
Architecture Library
Professional & Corporate Education
Pre-College Programs
Research
Office of the Senior Vice Provost for Research
NJIT Strategic Research Plan
Research Data and Publications
About Us
Centers and Laboratories
For Researchers
Funding Opportunities
Active Programs and Grants
Proposal Preparation Forms and Guide
Policies
Pre-Award Services
Grant Management Guide
Grant and Contract Accounting
Post-Award and Closing Requirements
Grant Management Software System
Research Compliance
Responsible Conduct of Research
Institutional Review Board
Institutional Biosafety Committee
Laboratory Safety, Training and Compliance
Animal Care and Use (IACUC)
Export Control
CITI Software
OMB Uniform Guidance
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPP FAQs
Intellectual Property (IP) Committee Members
Commercial Enterprise Development
Contact DIPP

Educational Grant Support Resource
Educational Programs Support and Centers
Academic Achievement Program Agreements
Funding Resources and Opportunities
Proposal and IRB Templates
For Students
Undergraduate Research and Innovation Program
For Industry and Collaborators
Courtesy Appointments
Distinguished Research Panels/Seminars
Research News
Research FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Maps and Directions
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education

[Alumni](#)
[Giving](#)
[MyNJIT Login](#)
[Tools](#)
[Calendars](#)
[Campus Directory](#)
[A-Z Site Index](#)
[Webmail](#)
[Moodle](#)
[Jobs @ NJIT](#)
[Menu](#)
[Search](#)
[Alumni](#)
[Giving](#)
[MyNJIT Login](#)
[Tools](#)
[Calendars](#)
[Campus Directory](#)
[A-Z Site Index](#)
[Webmail](#)
[Moodle](#)
[Jobs @ NJIT](#)
[Search](#)
[Admissions](#)
[Academics](#)
[Research](#)
[About](#)
[Life at NJIT](#)
[Athletics](#)
[I am a...](#)
[Apply now](#)
[NJIT Implementation of Recent Executive Orders](#)
[Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research](#)
[Home](#)
[For Researchers](#)
[Research Policies](#)
[Federal Policies and Regulations](#)
[Federal Policies and Regulations](#)
[Research Policies](#)
[In This Section](#)
[Home](#)
[Office of the Senior Vice Provost for Research](#)
[For Researchers](#)
[Roles and Responsibilities in Grant Management](#)
[Funding Opportunities](#)
[Streamlyne](#)
[Pre-Award Services](#)
[Post-Award Management](#)
[Research Compliance](#)
[Research Policies](#)
[OMB Uniform Guidance](#)
[Courtesy Appointments](#)
[Pivot-RP Research Funding](#)
[For Students](#)
[Undergraduate Research and Innovation Program](#)
[For Industry and Collaborators](#)
[Intellectual Property and Commercialization](#)
[NJIT Research Centers and Laboratories](#)
[Faculty Awards Initiative](#)

National Academy of Inventors - NJIT

Research FAQs

Research News

Contact Us

The Uniform Guidance (

2 CFR § 200

) streamlines and consolidates government requirements for receiving and using federal awards so as to reduce administrative burden. It was published in the Federal Register on December 19, 2014, and became effective for new and continuation awards issued on or after December 26, 2014. Please refer to the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, 2 CFR Part 200, for more information.

The Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, 2 CFR Part 200, is available in the Electronic Code of Federal Regulations.

The Uniform Guidance: Code of Federal Regulations (2 CFR Part 200) provides administrative requirements, cost principles, and audit requirements.

The Uniform Guidance

website with the following links to grant management, cost principles and administrative and audit requirements:

TITLE 2—Grants and Agreements

Subtitle A—OFFICE OF MANAGEMENT AND BUDGET GUIDANCE FOR GRANTS AND AGREEMENTS

CHAPTER II—OFFICE OF MANAGEMENT AND BUDGET GUIDANCE

PART 200—UNIFORM ADMINISTRATIVE REQUIREMENTS, COST PRINCIPLES, AND AUDIT REQUIREMENTS FOR FEDERAL AWARDS

Subpart A—ACRONYMS AND DEFINITIONS

Subpart B—GENERAL PROVISIONS

Subpart C—PRE-FEDERAL AWARD REQUIREMENTS AND CONTENTS OF FEDERAL AWARDS

Subpart D—POST FEDERAL AWARD REQUIREMENTS

Subpart E—COST PRINCIPLES

Subpart F—AUDIT REQUIREMENTS

The

Cost Principles (

eCFR 200.400

)

must be used in determining the allowable costs of work performed by the non-Federal entity. The four main principles are:

Reasonableness- A cost is reasonable if, in its nature and amount, it does not exceed that which would be incurred by a prudent person.

Allocability- A cost is allocable to a particular Federal award or other cost objective if the goods or services involved are chargeable to that award or objective.

Consistently Treated- A cost may not be assigned to a Federal award as a direct cost if any other cost incurred for the same purpose is not so assigned.

Allowable-Determine by the budget approved items, type of expense, timing of the expense, and award restrictions/eligibility.

Federal Agencies also have policies that may add additional restrictions for consideration:

National Institute of Health

-

<https://grants.nih.gov/grants/policy/nihgps/nihgps.pdf>

National Science Foundation

-

<https://www.nsf.gov/bfa/dias/policy/>

Page: <https://www.njit.edu/scholars>

Page: <https://www.njit.edu/research/forstudents/>

For Students | Research

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[How We Evaluate Applicants](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

How to Apply
Admitted Graduate Students
Graduate FAQs
International Students
How to Apply
Applying for a Visa
Tuition & Aid
Tuition & Costs
Financial Aid
Apply Now
Contact Admissions
Academics
Degree Programs
Undergraduate Studies
Majors and Minors
Academic Support & Advising
Graduate Studies
Graduate Degree Programs
Online Graduate Studies
Colleges and Departments
Beyond the Classroom
Study Abroad
Research
Internships & Co-ops
Community Service
Student Leadership
Van Houten Library
Architecture Library
Professional & Corporate Education
Pre-College Programs
Research
Office of the Senior Vice Provost for Research
NJIT Strategic Research Plan
Research Data and Publications
About Us
Centers and Laboratories
For Researchers
Funding Opportunities
Active Programs and Grants
Proposal Preparation Forms and Guide
Policies
Pre-Award Services
Grant Management Guide
Grant and Contract Accounting
Post-Award and Closing Requirements
Grant Management Software System
Research Compliance
Responsible Conduct of Research
Institutional Review Board
Institutional Biosafety Committee
Laboratory Safety, Training and Compliance
Animal Care and Use (IACUC)
Export Control
CITI Software
OMB Uniform Guidance
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry

IPP FAQs
Intellectual Property (IP) Committee Members
Commercial Enterprise Development
Contact DIPP
Educational Grant Support Resource
Educational Programs Support and Centers
Academic Achievement Program Agreements
Funding Resources and Opportunities
Proposal and IRB Templates
For Students
Undergraduate Research and Innovation Program
For Industry and Collaborators
Courtesy Appointments
Distinguished Research Panels/Seminars
Research News
Research FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Maps and Directions
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now

[Undergraduate Students](#)

[Transfer Students](#)

[Graduate Students](#)

[Continuing Education](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Moodle](#)

[Jobs @ NJIT](#)

[Menu](#)

[Search](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Moodle](#)

[Jobs @ NJIT](#)

[Search](#)

[Admissions](#)

[Academics](#)

[Research](#)

[About](#)

[Life at NJIT](#)

[Athletics](#)

[I am a...](#)

[Apply now](#)

[NJIT Implementation of Recent Executive Orders](#)

[Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research](#)

[Home](#)

[For Students](#)

[For Students](#)

[NJIT research enterprise provides undergraduate and graduate students an outstanding academic and research experience through](#)

[For Students](#)

[In This Section](#)

[Home](#)

[Office of the Senior Vice Provost for Research](#)

[For Researchers](#)

[For Students](#)

[Undergraduate Research and Innovation Program](#)

[For Industry and Collaborators](#)

[Intellectual Property and Commercialization](#)

[NJIT Research Centers and Laboratories](#)

[Faculty Awards Initiative](#)

[National Academy of Inventors - NJIT](#)

[Research FAQs](#)

[Research News](#)

[Contact Us](#)

[These programs provide opportunities for students to learn necessary and important research skills and to innovate in order to transform](#)

[Undergraduate Research Programs](#)

[Undergraduate Research and Innovation \(URI\) programs give students a chance to flourish in various ways. Students learn how to](#)

URI website

Graduate Research Programs

Doctoral and Master's graduate students are an integral part of NJIT research enterprise. Graduate students work at faculty research centers and laboratories. Students may contact Principal Investigators and Directors of research centers and laboratories for exploring the availability of research opportunities.

Centers and Laboratories website

for additional information on research opportunities.

High School STEM Research Programs

NJIT offers excellent opportunities for professional and career development in STEM areas to undergraduate, as well as high school students.

The high school summer research internship program requires a commitment of 6 weeks from June 23rd, 2025 to July 31st, 2025.

Artificial Intelligence, Machine Intelligence & Robotics

Bioscience & Bioengineering

■ Data Science & Management

Environment & Sustainability

Material Science & Engineering

This year we will be collecting applications via an automated workflow system called InfoReady at NJIT. Once active, the "apply" button will be visible.

External applicants (non-NJIT users) will need to create an InfoReady account then log in to apply to the NJIT High School Summer Research Program.

We are no longer accepting applications for summer of 2025.

Eligibility

:

- Applicants must be completing 10th or 11th grade in June 2025. Graduating high school seniors are not eligible.

- Applicants should have an unweighted GPA of 3.75 or better, and show a demonstrated interest in science.

- Students must be New Jersey high school students and residents of New Jersey.

- Students must be able to commute to NJIT daily (at their own expense) for the duration of the program. Housing is not available.

- A parent or legal guardian must grant permission for the student to participate in the program.

Students who do not meet the criteria above will not be considered.

Application Information

: (please click word apply above to be taken to the application)

A transcript will need to be submitted - student should submit most recent Genesis transcript

A letter of recommendation from a teacher or counselor is required. (You will enter their email address and the application will be sent to them.)

You will be asked in 300 words or less why you want to conduct research in your chosen field.

You will be asked in 300 words or less to identify the ways you think this experience will impact your future STEM ambitions.

Applications will not be considered complete without both the student portion and the recommendation letter.

EMAILED APPLICATIONS AND RECOMMENDATION LETTERS WILL NOT BE ACCEPTED

Timeline:

Applications will open in February 2025.

The student portion of the application is due by Thursday, February 27, 2025. The system will automatically close at this time and cannot be reopened.

The letters of recommendation are due by Thursday, March 6, 2025. The system will automatically close at this time and cannot be reopened.

Notification of application status will be in early to mid April.

Payment and permission forms for those accepted will be due on May 5, 2025.

There is a \$150 program fee for those accepted. Need based waivers are available to those who qualify, please contact

hssri@njit.edu

if you require financial assistance.

If you have any questions, please contact us at

hssri@njit.edu

. Please allow 1-3 business days for a response.

Space in the program is dependent on mentor availability. Historically, about 20 students total are accepted each summer.

Center for Pre-College Programs

For more information about NJIT's extracurricular STEM programs for students in grades 4 -12, please visit our

Center for Pre-College Programs

.

Note: The Center for Pre-College Programs does not oversee the Summer Provost High School Internship Program nor will they.

Meet Some of Our Students

Our students work in the best labs with the highest-quality equipment and technology infrastructure.

Learn More

"I'm working on microfluidic biosensors for cancer detection. We hope this technology will replace invasive biopsies. "

Mehnaz Mursalat

Class of 2020

"I have incredible appreciation for the Honors College for equipping me with knowledge and resources to succeed."

Page: <https://www.njit.edu/research/compliance/>

[Research Compliance | Research](#)

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[How We Evaluate Applicants](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Admitted Graduate Students](#)

[Graduate FAQs](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Majors and Minors](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Graduate Degree Programs](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional & Corporate Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[About Us](#)

[Centers and Laboratories](#)

[For Researchers](#)

[Funding Opportunities](#)

[Active Programs and Grants](#)

[Proposal Preparation Forms and Guide](#)

[Policies](#)

[Pre-Award Services](#)

[Grant Management Guide](#)

[Grant and Contract Accounting](#)

Post-Award and Closing Requirements
Grant Management Software System
Research Compliance
Responsible Conduct of Research
Institutional Review Board
Institutional Biosafety Committee
Laboratory Safety, Training and Compliance
Animal Care and Use (IACUC)
Export Control
CITI Software
OMB Uniform Guidance
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPP FAQs
Intellectual Property (IP) Committee Members
Commercial Enterprise Development
Contact DIPP
Educational Grant Support Resource
Educational Programs Support and Centers
Academic Achievement Program Agreements
Funding Resources and Opportunities
Proposal and IRB Templates
For Students
Undergraduate Research and Innovation Program
For Industry and Collaborators
Courtesy Appointments
Distinguished Research Panels/Seminars
Research News
Research FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Maps and Directions
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us
Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing

On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Menu
Search
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Search
Admissions
Academics
Research
About
Life at NJIT
Athletics
I am a...
Apply now
NJIT Implementation of Recent Executive Orders
Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research
Home
For Researchers
Research Compliance
Research Compliance
NJIT is committed to conducting research in compliance with established federal, state and regional regulations, policies and pr
For Researchers
In This Section

Home
Office of the Senior Vice Provost for Research
For Researchers
Roles and Responsibilities in Grant Management
Funding Opportunities
Streamlyne
Pre-Award Services
Post-Award Management
Research Compliance
Responsible Conduct of Research
Institutional Review Board
Institutional Biosafety Committee
Laboratory Safety, Training and Compliance
Care and Use of Animals in Research
Export Controls
Required Compliance Training (CITI)
Conflict of Interest (COI)
Research Policies
Courtesy Appointments
Pivot-RP Research Funding
For Students
Undergraduate Research and Innovation Program
For Industry and Collaborators
Intellectual Property and Commercialization
NJIT Research Centers and Laboratories
Faculty Awards Initiative
National Academy of Inventors - NJIT
Research FAQs
Research News
Contact Us

The Research Compliance unit in the central office helps to ensure that all research activities undertaken by faculty, staff, and s

Responsible Conduct of Research

Human Subjects Research via IRB

Biosafety

: Recombinant DNA, BSL-3 Pathogens, Select Agents, Biohazards, Radioactive Materials, Radiation-Producing Devices, Laser

Care and Use of Animals in Research

(through Rutgers University-Newark Institutional Animal Care and Use Committee)

Export Control in Research

Conflict of Interest and Outside Activities in Research

Misconduct in Research

Federal Information Security Management Act

Responsible Conduct of Research (RCR)

All NJIT employees including students, staff, post-docs, research associates, faculty and collaborators are expected to be in co

CITI (Collaborative Institutional Training Initiative)

.

Human Subjects

or associated data can only be used for research purposes after required review and institutional approval in compliance with fe

Institutional Review Board (IRB)

.

A complete review and approval from the

Institutional Biosafety Committee (IBC)

is required for all research activities and protocols dealing with live cells, tissues, any environmental release of genetically engin

NJIT relies on the

Rutgers-Newark IACUC

for review and approval of

vertebrate animal research

conducted by NJIT researchers in order to ensure compliance with all regulations, policies and standards that protect animal we

raju.k.tamot@njit.edu

), Assistant Director, Research Compliance and Integrity, and Dr. Eric Hetherington (

erich@njit.edu

), Executive Director in the NJIT Office of Research.

Export Control

regulations are federal laws that govern the export, shipment, transmission, transfer, or sharing from the U.S. to foreign countries.

Conflict of Interest and Outside Activities in Research

NJIT follows several federal, state, and University guidelines that govern the disclosure of an outside activity, relationship, or interest.

Misconduct in Research

Research misconduct is defined as fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in publishing research.

Many research compliance training courses including RCR training for required certification can be accessed online through the website.

NJIT faculty, student, post-docs, associates and staff can access the CITI software programs and courses through the website.

www.citiprogram.org

Please register online through the website

www.citiprogram.org

and select "New Jersey Institute of Technology" to set-up your account. Once your account is registered, you will be able to select your institution.

Streamlyne for Research Compliance

The Office of Research is developing the functionality of

Streamlyne

, an electronic research administration software, to serve as a dynamic content management system that will aid in the oversight of research.

FISMA - Federal Information Security Management Act

What is FISMA:

The United States Federal Information Security Management Act (FISMA) defines a framework, standards, and guidelines to protect federal information.

FISMA Compliance:

FISMA defines roles and responsibilities for all agencies and related entities to protect sensitive information from compromise and unauthorized disclosure.

Resources:

NJIT's Office of Research provides institutional support and services to the research community. This includes

pre-award services

, post-award management

, and

research compliance

. The Office of Research has experience with FISMA compliance and can provide assistance accordingly. It is the researchers' responsibility to ensure compliance.

FISMA is administered by the Department of Homeland Security. Changes and updates can be found at

<https://www.dhs.gov/fisma>

Questions about FISMA should be directed to the assistant director of research compliance and integrity.

<https://research.njit.edu/contact>

Regulatory Reference Federal Information Processing Standards:

FISMA Implementation Project

NIAID Data Security Standard Operating Procedure

NIST Risk Management Framework

FIPS PUB 199

FIPS PUB 200

NIST SP 800-171 Rev. 2

NIST SP 800-60 Rev. 1

NIST SP 800-37 Rev. 2

NIST SP 800-39

NIST SP 800-53A Rev. 5

Page: <http://www.njit.edu/precollege/>

The Center for Pre-College Programs | Center for Pre-College Programs

[Skip to main content](#)

[Menu](#)

[Center for Pre-College Programs](#)

[Search](#)

In This Section

[Home](#)

[About Us](#)

[Our Staff](#)

[Pre-College Advisory Board](#)

[Sponsors and Partners](#)

[Publications](#)

[Contact Us](#)

[Student Programs](#)

[NJ GEAR UP/College-Bound Programs](#)

[NJ GEAR UP/College-Bound Program](#)

[Upward Bound](#)

[TRiO Programs](#)

[Educational Talent Search](#)

[Upward Bound](#)

[Summer Early College Preparatory Programs \(ECP\) & STEMx](#)

[Saturday Morning STEM \(SMS\)](#)

[Academy College Credit Courses for High School Students](#)

[Dual Enrollment Partnership / Options Program](#)

[FSI -Forensic Science Initiative](#)

[Educator Programs](#)

[STEM Forum for School Leaders](#)

[Outcomes Assessment and Evaluation](#)

[Research Experiences for Teachers Archive](#)

[NJ Forensic Science Education Conference](#)

[Teacher Prep Program in Forensic Science](#)

[Virtual Learning](#)

[Family Programs](#)

[STEM Family Workshops](#)

[Family Open Houses](#)

[Virtual Learning](#)

[Competitions](#)

[Elementary STEM Challenge](#)

[New Jersey Science Olympiad](#)

[News & Events](#)

[Events](#)

[News](#)

[3000+](#)

[secondary & elementary students served yearly](#)

[1979](#)

[the year NJIT began providing STEM enrichment](#)

[Summer and Academic Year Programs](#)

[Apply Now](#)

[CPCP Highlights](#)

[NJIT STEM Forum Explores AI, Digital Transformation in Schools](#)

[New Semester, New Opportunities for First-Year Newark Natives at NJIT](#)

[NJIT Hosts Summer STEM Boot Camp for Tech-Minded High Schoolers](#)

[Young Minds Bring Health, Wellness Innovation to NJIT's eSTEM Challenge](#)

[Middle and High School Students Compete in Regional Science Olympiad at NJIT](#)

[Fourth Grader's Environmentalism Honored with NJIT Scholarship Following Racial Profiling Incident](#)

[Science in the Pursuit of Justice: Center for Pre-College Programs Helps Generate STEM Interest](#)

[Virtual Campus Tour](#)

[Join us on a virtual tour:](#)

[40 Glorious Years!](#)

[Alumni Profiles:](#)

[2010's](#)

,

[2000's](#)

,

1990's

,

and

1980's

Page: <https://www.njit.edu/research/contact-us/>

Page: <https://www.njit.edu/research/grant-and-contract-accounting-faqs/>

Post-Award Management FAQs | Research

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[How We Evaluate Applicants](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Admitted Graduate Students](#)

[Graduate FAQs](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Majors and Minors](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Graduate Degree Programs](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional & Corporate Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[About Us](#)

[Centers and Laboratories](#)

For Researchers
Funding Opportunities
Active Programs and Grants
Proposal Preparation Forms and Guide
Policies
Pre-Award Services
Grant Management Guide
Grant and Contract Accounting
Post-Award and Closing Requirements
Grant Management Software System
Research Compliance
Responsible Conduct of Research
Institutional Review Board
Institutional Biosafety Committee
Laboratory Safety, Training and Compliance
Animal Care and Use (IACUC)
Export Control
CITI Software
OMB Uniform Guidance
Intellectual Property and Commercialization
Available Technologies
For Inventors
For Industry
IPP FAQs
Intellectual Property (IP) Committee Members
Commercial Enterprise Development
Contact DIPP
Educational Grant Support Resource
Educational Programs Support and Centers
Academic Achievement Program Agreements
Funding Resources and Opportunities
Proposal and IRB Templates
For Students
Undergraduate Research and Innovation Program
For Industry and Collaborators
Courtesy Appointments
Distinguished Research Panels/Seminars
Research News
Research FAQs
Contact Us
Research Staff Assignments
Feedback/Comments
Research/Technology Inquiries
About
Key Facts
Rankings and Recognition
Administration
Senior Administration
Administrative Departments
History of NJIT
Our Mission and Values
Alma Maters
Visiting NJIT
Maps and Directions
Public Transportation to Campus
Local Accommodations
About Newark and New York City
News
Contact Us

Life at NJIT
Activities & Organizations
Hispanic and Latinx Leadership Council
Inclusive Excellence
Career Center
Campus Center
Housing & Dining
On-Campus Housing
On-Campus Dining
Off-Campus Housing
Off-Campus Dining
Health & Safety
Student Health Services
Counseling and Psychological Services
Public Safety
Recreation & Fitness
Gyms & Facilities
Intramural Sports
Transportation & Parking
On & Around Campus
Athletics
NJIT Highlanders
Apply now
Undergraduate Students
Transfer Students
Graduate Students
Continuing Education
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Menu
Search
Alumni
Giving
MyNJIT Login
Tools
Calendars
Campus Directory
A-Z Site Index
Webmail
Moodle
Jobs @ NJIT
Search
Admissions
Academics
Research
About
Life at NJIT
Athletics
I am a...
Apply now
NJIT Implementation of Recent Executive Orders

Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research

[Home](#)

[Research FAQs](#)

[Post-Award Management FAQs](#)

[Post-Award Management FAQs](#)

[Research FAQs](#)

[In This Section](#)

[Home](#)

[Office of the Senior Vice Provost for Research](#)

[For Researchers](#)

[For Students](#)

[Undergraduate Research and Innovation Program](#)

[For Industry and Collaborators](#)

[Intellectual Property and Commercialization](#)

[NJIT Research Centers and Laboratories](#)

[Faculty Awards Initiative](#)

[National Academy of Inventors - NJIT](#)

[Research FAQs](#)

[Proposal Preparation and Submission FAQs](#)

[Subcontractor/Consulting Agreement FAQs](#)

[Post-Award Management FAQs](#)

[Responsible Conduct of Research FAQs](#)

[Institutional Review Board \(IRB\) FAQs](#)

[Institutional Biosafety Committee \(IBC\) FAQs](#)

[Institutional Animal Care and Use Committee \(IACUC\) FAQs](#)

[Export Control FAQs](#)

[Conflict of Interest FAQs](#)

[Streamlyne FAQs](#)

[Research News](#)

[Contact Us](#)

[Close All](#)

[Expand All](#)

[When is my award going to be set-up?](#)

Once an official award is received by the agency, Pre-Award Services will work with the PI to ensure all required information is

[Do I need to change the budget?](#)

Upon award notification, Pre-Award Services staff will review the sponsoring agency award budget against the internal sign-off

Once the PI returns the current updated budget to Pre-Award Services, a request to create a new index number will be provided

[What info is needed to set-up an award for index creation?](#)

An award letter and/or a final executed award agreement from the agency approving the project. The award documents must co

[Start and end date of the award performance period](#)

[Total funding amount of the project](#)

[Terms and condition of the award](#)

If the award is not yet finalized, in addition to the above information, the PI must submit an advance account request form and a

[When can I start purchasing items from this award?](#)

The PI will received an e-mail notification from grant accountant in the Post-Award management team containing details of the a

[Who is the grant accountant for my department?](#)

[Please see the](#)

[Post-Award Management Team Contact List](#)

.

[I need a pre-award index set-up, what are the steps and documents needed?](#)

If the award is not yet finalized, the PI must submit an advance account request form and a letter from the sponsor with the follo

[Starting date of project](#)

[Total amount of the project](#)

[NJIT budget for pre-award, as required on the advance request form](#)

[Language that they are authorizing NJIT to start incurring expenses](#)

Once the advance request form is approved by the Office of Research and Finance, it will be provided to Post-Award for index s

[What is an obligation and when does it occur on grants?](#)

Financial obligations are when funds are committed for a specific use and are documented and defined in writing. Examples inc

[Grant funds may not be obligated prior to the starting date of the grant or after the ending date of the grant.](#)

How do I get information from Banner about my program?

The Principal Investigator and departmental support can access the Grant Budget Summary, actual expenses details, expense Finance Website-Banner Finance Resources

Can I spend money before or after the project period?

Expenditures on an award must be incurred within the performance period of the grant or contract. Any expenditures prior to the

How do I know if an expense is allowable?

The award agreement provides the terms and conditions of the award. All eligible expenses would have been listed in the budget

What is the difference between direct and indirect costs?

Direct costs are those costs that can be identified specifically with a particular final cost objective, such as a Federal award, or a

Indirect costs are charged to the project based on a percentage that is approved by the sponsor or was approved by the federal

Costs incurred for the same purpose in like circumstances must be treated consistently as either direct or indirect (F&A) costs.

Can I carry remaining funds from the previous budget year in the current year for my research award?

Carry forward of funds from budget year to budget year varies depending on the terms of the award and sponsor regulations. The

If approval for carryover of funds is required, the PI must work with

Pre-Award Services

to obtain official notice of sponsor approval

What is a Cost Transfer?

A cost (expense) transfer – is an after-the-fact movement of costs (labor and non-labor) from a sponsored or non-sponsored award

Cost transfers may be necessary to (a) distribute clearing account expenses; (b) correct salary distribution estimates; or (c) correct

Examples of unallowable cost transfers are:

- To cover cost overruns or deficit balances in other non-grant or grant funds
- To utilize unexpended funds of a sponsored award
- To use for cost management strategy
- Used any other reason of convenience

What information is required when processing a cost transfer?

A cost transfer form must be completed and the following information must be provided:

the index and account number for which you are requesting the charges be transferred to/from

ledger detail and support for the date and description of the original charge

an explanation of why the transfer is being requested is required.

Generally, explanations for cost transfers should address why the expense was originally charged to an account or line item, why

In addition, further justification/explanations are needed for transactions greater than 90 days. Any adjustments done greater than

Grants should be reviewed monthly or at least quarterly to identify if any adjustments are needed.

Who must approve a cost transfer request?

The principal investigator must make sure that the charges being transferred are appropriate and allowable expenditures on the

The post-award unit will then review and process the cost transfer if they are eligible with regards to the terms of the award. Post

Examples of unallowable cost transfers are:

- To cover cost overruns or deficit balances in other non-grant or grant funds
- To utilize unexpended funds of a sponsored award
- To use for cost management strategy
- Used any other reason of convenience

Why is the time period for cost transfers only 90 days?

Federal regulations govern the amount of time that cost transfers are allowed to be made. In order to comply with these regulations

- Justification/explanation are needed for transactions greater than 90 days. Any adjustments done greater than 90 days, given
- These instances require additional documentation, clear explanations and corrective actions to prevent future errors.

Can salaries be transferred?

Given that a timely review of monthly grant payroll reports is expected, labor transfers should occur infrequently and must include

Once this transfer is approved by Post-Award Management, the PI will need to work with the labor redistribution initiator in their

Labor Redistribution-Finance Site

for more information.

How do I re-budget funds from my award?

The PI must confirm from the award agreement what are the re-budgeting conditions and/or restrictions on the award.

Some budget transfers will require additional levels of approval if they have the following impact and PI must obtain chair and de

- Transfer of academic year release time to summer salary or to any other category.
- Reduction in student support (stipend and/or tuition)
- Reduction in F&A (Indirect/overhead costs charges)

Sponsor agency approval may be required for the following examples and will only be transferred when said approval is documented

- Changes in scope or objective of the project
- Changes in indirect costs

- Changes in PI and/or PI and other key personnel percentage effort (25% increases or decreases)
- Absence of PI for a significant length of time (usually in excess of 3 months)
- Changes in student support (stipend and/or tuition)
- Exceeds allowable limit threshold for re-budgeting
- Changes to equipment
- Changes to subcontracts

Prior approval matrix across multiple federal agencies:

Budget Change Approval Matrix

For a copy of the form and submission of budget revisions requests, please contact your assigned grant accountant under Post-Award Management Team Contact List

Note: If sponsor approval is required, the budget transfer will not be completed until NJIT receives official approval and authorization.
Who is eligible for summer salary?

Faculty members and certain instructional staff working on sponsored research projects during the summer months are eligible. Employees with a twelve month appointment, some instructional staff and part time employees are normally ineligible for summer salary.

How much I can earn as summer Salary?

Faculty members and certain Instructional staff working on sponsored research projects during the summer months are eligible. There may be some limitations on this based on additional requirements on the sponsor award and agency regulations.

When is the Summer research period?

The summer research period starts the day after the academic year-end graduation date. The total number of summer work hours is 12 weeks.

The senior vice provost for research will send out a summer salary memo in April with details on the summer pay periods, deadlines, and other information.

Does the effort expended during academic year qualify for sponsored summer salary?

No. Summer salary is earned and paid over the same period as the summer research is performed. Effort expended during the academic year does not qualify.

What is a Time & Effort report?

Effort reporting is required in accordance with eCFR 200.430 Compensation-Personal Services.

- The processes and system in place allow for reasonable approximations of the activity actually performed;
- The system must recognize the principle of after-the fact confirmation or determination so that costs distributed represent actual effort;
- Reasonably reflect the total activity for which the employee is compensated by the non-Federal entity, not exceeding 100% of the employee's salary;
- Salaries and wages of employees used in meeting cost sharing or matching requirements on Federal awards must be supported by effort reports.

Effort reports are distributed three times a year – once each semester – spring/summer/fall. The senior vice provost will send out a memo with the distribution schedule.

The anticipated Effort Report deadlines will be approximately:

Spring – Early July (Due to fiscal year end processes and recast deadlines)

Summer – September 24

Fall – March 31

Do I need pre-authorization or pre-approval for my travel?

Yes, the traveler's approver, within his or her school, division, or department must authorize all official business travel.

Please see the finance website

for more information on travel.

Who is making my travel arrangements?

Travelers are expected to make their own travel arrangements by planning ahead, explore multiple transportation and lodging options, and book travel through Anthony Travel.

Please see the finance website for more information on travel.

I am arranging for travel to an international country, do I have to use a US owned airline for my travel arrangements?

The university will reimburse coach class tickets aboard a regularly scheduled commercial carrier. Travelers must use a US Flag carrier.

How do I get an advance for travel?

Please see Finance Website for more information on Travel.

Can I rent a car when I go on travel?

The University will reimburse for rental car when there is a business justification or there is no other means of comparable transportation.

Please see Finance Website for more information on travel.

What is the current mileage reimbursement rate?

The university will reimburse travelers who use private automobiles on university business at the State's mileage reimbursement rate.

What is the meal per diem for Travel?

The University will reimburse travelers for meals in travel status under the following options:

This per diem must be prorated if any meals are provided at a conference, by the hotel or by any other source, or if a traveler books a meal.

Please see the Finance Website for more information on travel.

Do I get reimbursement for meal expenses for non-travel business from my grant?

University regulations apply to all grant or contract meal and food purchases unless there is a restriction or guidance from the sponsor.

Generally, meal and food purchases are not an allowable expense on grant funds. In those cases in which meal and/or food purchases are not allowable on grant/contract funding.

When should my travel expenses be submitted?

Travelers must submit their Travel Expenses forms and all supporting documents within 45 days after their return to the university. Travel Expense Forms submitted beyond one year after the date(s) of travel will only be reimbursed with a vice president's approval. Please see the Finance Website for more information on travel.

Who can approve my travel reimbursement?

The traveler's supervisor, PI, index/fund responsible person or their designee who does not report to the traveler must approve.

What is MTDC?

Modified Total Direct Cost (MTDC)

means all direct salaries and wages, applicable fringe benefits, materials and supplies, services, travel, and up to the first \$25,000 of indirect costs.

Page: <https://www.njit.edu/research/researchers/prep-guides/>

Page: <https://www.njit.edu/finance/sites/njit.edu.finance/files/Self-Service%20Labor%20Redistribution%20Manual.pdf>

%PDF-1.6

1250 0 obj

>stream

h[ko+h#0 Q d-'NV Z (R {zzzf`Da`A c y O x q NB x #
Q8 a ,B* W k gO _/o o ~ i /o ^ ' #y . OO ~d
C3 \ ({ < V 6 } E5 %R 5 .d oA , ! ~v E 6 * } l , A (D ^ @
q s y " z m \ / () c 07g h T c & m q P + f P \ +
'H k N _ ~D 8 ((d . d L G = K M L z DA i s l 9 w T P q a \ E
F t) N j p ?

" L f B = S c cy O n P ~ ~ [\ 1 G Z M k 7 " v m s S 5 k) T \ - b ~ / ()
; Q E F D h # S ~ G J L v 5 exe % N U u y d 6 " I R l a n V a T k r . Z P \
` F Z F > 2 ? V H j) c m . 3 e / R K 5 & ? B W | E
H 0 ^ V u 2) D . m \$ % 7 D ' A P O K ; t y * X 4 i P T
W 9 * h 9 e V h / 2 H z b U ^ d l 8 K e # < q S n \ D
B O 1 Y 7 "

} h g B R 8 { l t w x P L # 9 F T V C j g p P | i { i : g t J
2 n # i ; ^ c v m E H " 0 d J K J q + o u l C ^ ; c < |
y m | ' 2 * + b @ H e K i [i E I O S * G 7 U H H I Y 8 ? o U |
/ a = Z ^ > & p @ A H a ^ H ; = 6 ^ U H { / C / h a j l J ; P n 1 o p = X f
@ P X (@ { . : s >

N G V Q M Q T K f M \$ % h X { ~ K 6 S M E | W @ | ? (2 cy r 4 , - ' A f
z [a H > 5 = K [F * R p] Z - " @ # 5 n ! F I T } s
> > 8 | u ~ r) J L x f W / _ Z _ ~ y v A W < B k / ^ t N
>stream

h T A @ P * T P y W ' i % M A i E

T . = # q - q B ! 0 H O ! L + q b] x ! 3 : 7 ~ % _ L R
X 15 C B 6 d k (L G 3 { x l] \ : @

endstreamendobj1252 0 obj

>stream

h 2446 P 0 P 0 446 T 0 F

@ s ~ i ^ R V a Q d T \$ [A l c 0 i 1 S F

3 X

v A C j < U & ` ~ ? [

endstreamendobj1253 0 obj

>stream

[illegible]





































[illegible]

[illegible]

[illegible]


```
weT#####]G[!o%#kRQ,3X###'###P*~x##?~xJ###Z#{###2;###n^>###o>#####O####}]{{###v###W:#####!####$SINvc###pJ###t###E####w###5##+#####  
#####=7#R#####i#####"###f###x)b###8#####2N###8vx_####b#####w___Y####i###y###p###V0#7###3###U#5  
#####q#Q#a#1v#&##/#,Xrvt###E####-g#####m#M2#####nY#%#ygNN#?####[####_#####ic#E<###  
x8^####Zhn4#b#h####H#C#####A#0GI#G#i#0#u#Z#J#####R#K#emw###D###d#####H####Un#xN#V]*#####  
###IL:g$q#vLv#j#####//####Z~####W####HxRD#J@&#Q#li=####6#\#####$YGa####f#V#####Q@#####  
###))t###+#####/#####\###B#####m-###RK#####jN###8###5v####?#Yk#####z###5#Uu#GU#####  
#####w#####v#k#aE#T#(####(####(####(####(####(####(####(####(####(####(####(####(####(####(####(  
x#####x=#l.#Z#d#y####h#tU#####.####5o#####gA#|5###a#####z#6###:T#H#0HB#$#####<1###TP#####  
@DE7oP#####7W###r####f#>######SZ#####mgil#y###s###1#####e#####E###U###_#$#####w#o#####  
#T###D#o##_i#m####,#w-####1#####P#7#####Q_#J6J####_#e)Zj]#####x#####C#5#####6#-#####  
#####:#####0###C###r4r#PX#_(-#|V#####\})####[h7#"#n#'K#[#####8q#y#@#!#6#"#Z*c#####r#####  
#;####9#####o/#####T#7#####O###?###F###?###tK#{#_#_#}b###O#####UX<#1###^y###tm@#>###o#  
i#####5#####6#0###K###U#d#"!W###k###V7###z#B#$#r#*##<#zr##/##Z#####n###/###>####'#  
(##(#####m.}7X#5m:y#w#,####nF#####nHc###H###e(###H###zb#q$####  
##g###7L###O###Y#####?###GK###t#####A#m#K6#U###Zt0#B#]#h#]#0#j###]#9#;#####)###O###cF#####  
##=#~#####}#o####a#####;w#Q#####lk####6:}#####t{#=:###V#XD###\d#65###|###.'###?#u#####  
#####^#####{#####Y#+B#>#/######j`#9#O/#l###zm#f>###Zi#f###/_#k^,###i###K#####$#####  
#####}###0i###zf####[_@###Mk|###\9gS#${#b#####C#####=#u#####u#####*###H#8#rrU#6~bp1#]###S#####  
#####'#####g#2#####q#####\1#n###G#l###d#N#M#N#####(bBm#####M#|;#uk###M=#iQ###!#@H#####  
####?'###o#####^#.##=>#####+###i#PI#####eiYE###rb#####z###jS#i-$#9#xm###t###E#X#b#####>C#####  
####c'y*##+^####  
#####\###Q#####r#Z####lmo3#####Bv  
$p####m]#Z_##[-&m#f#####-+O#.###B#4#####c#####6#>#####^N#####lv#k###_#####{#####  
:x###P#4#[$]{A###5Ko#j###z###[#4#E=###_(i###d#####~~#####n#F###WV2###Yd#N!###|######)  
G({###Vb;#####2#####)#####T####[]#####_#o###~#####G#####4#(#####D#####E#12#S###J~#t=+#|E###>  
###w###e###5#x###bF#VXUF#####9###0EF#####d#JZ#####M###m%#####z.#####i#####{Ys#8#+#A%#####  
#W#####x#####fx#{m#IY#F###M#t#zf###hwqk###i#####iZ)###ef^9#dP###d###;#L###W#####oz#S#####  
#####|;#####g#j###a#####>d#1#bu#)#####0m###k###  
"#####},#####f#####3#`###L#####y#W#[#####1###8n u8###=jj#####Z#q$###v-#####R#####  
#3###bT#w###z#####[#####!^#R)o#####W###k#M#hz#####i###Nn#{#####c#1#####<#:U#####y#^###}B#####  
"#####^#####mb###^#kY#;#0V###U#&F#»T###Www###w|###w###'#####M)[_#####}#####~(#o#####^#####  
#####~9x#####w###K#####|#####;$###H###m#1###O###v#D#####_#_-#ž###[8X#[#####  
#####2#.[#y#P###gKw#>#Z###7#Q#Z#iU###6#  
}#6#####3#q#9#=EmjZ#####PX#####Ous#(FY#####'^####-#####k^###Zm#z@#E#O2|m#####|#####  
||}###0f#L[a###s####!O###^/#####="####-*#K#4#####'Kw###-%#####de0#####i>0#####"######7M#5###R#+#####  
)h###xsP#P#K#m]###9v#####f#9#WS#####Z###.=g###*#_#R###T###=*1#####^#####r#####h###z#####  
#####8#####&#9#y###$[#\##U#$$#v###x###u%#####|###  
_#4w#####;#&}#O#M###e#xn#####h#####E###W(####(####@5#x/#6###?####c#+X####4#]'#####C#####  
###KE#####jKg'#####l9Z#####!#rB#J#-#u###\###_#####: {#####v_#####Qg#####4###~#K#iP###P###K#####  
C)#####  
|#yj###u#####k###Me&#k#####eY.#####M#~l#W#p#y#####O#x###h###q#####M###a###N###PG3M$###  
#U#####Mn4#U#t#(#####  
9Ee;C#|###A#j>#####a###4#{#####|d#####g###IH#]}i#####NK#####l_y#####Y]#x#J#####  
(#####4#####&J#k###d#A4%D#?#####?PM^#####n#.j#####5###mOG###fE#]#####9#,###'###x#####  
#####-#####_#####>#####5#B#Q#]##=#n#c#####Y#####$0F###8#*#####  
#`###W+#####n###H#####m###m#####H#####m###m#####r#####  
###$###9$###*k#j###-###%###i###2###!###YYp#sw#v###K###l#V#####Uq#####]#####5+y#####C#####  
+#####=/#_#####tr#Gsn#(L###V#L#2#G#W7a#o###%#)#N#A#u#7G###S#ZM4R\ly#-bU#LaDM#V/#C#####  
###P0#W#Z#[['###5#####2#y#F#E###K#a#####9#x#####4#####A###hQ#[[###.-#?#ys#L#\###  
c#####}(#####7#&#####y#####_>#####o#7###no#i>9#####'#####-###4#*#$###,r]#4#####'ut#-#####_6z#####  
#####5#####Rx#####M#####E#####o#####L&F#####X###.5#####F###hu#o###-J#TTwo/#b#H###T#3###'h###,  
#k5###SJ#S#[#uve#####w###$#xZ7#####dE#>+#####:###/#i:u###K#mqn###r###@#\#W#F#####v#:##~#xN#1###x#####  
!#d#####.nt#-#####"#K###]C>$#F#1#####li#z#####p#|%#Mr#{;#z###gy4W#####]#b###cU]# #2###\###nN#####  
xu#####%###$#R$###iH#P#####A#x#]#####t###5#-#####4qyp#####Y#Y#]#P#####Uw{###7#####E#V#####  
q#####1z#n#####m###d1#SH#c#m#P#####_#####?#x#####_#r#@#####@t#####/k###*#####  
#####*###L#####?#x#####_#r#####i#gg#####?r#########*###L#####?#x#####  
z#####5?#x#####:/#(###i-o#xmne#i"#####.cl"#3###C###Y###kk#g'###J#~"#####4V!#####qu#Kh###V###<#####  
#####9#4#|#####t###H###$:#C###f###JQQ(##)'#####5#d###O###G#####.zL#h#####Y.###hv#u#####
```

[illegible]

(■■■)

(☐ ☐)

```
(■■■3■■■v■■■■■■ej■Wu■■■v■■■■■■ej■X■s■■ ■■■■■■■[■■■■■■K■,■■■@■$■■■■q■_o■■:■■■■■■K■h■■■3■■/■F■■■■■W■■i>■■■■■■3F■■■■■ZZ■O/9■■■@-■<■V~■■■■■V■■■k■■■Hl■E■S■■■_rz■■{■■■■■T■■■■■_■■■z■^■■■■■-■■W■■■m
```

4C i F x : [cn aX Dn . G ` ? " m - | C

■■■■■c■■M■V■s■■■h■<■■■+■07K■■■_x■Ú■■VW■■■we■■■,v■■F■%■■)■V■\$■■&■■■■■■6■■■B■Y[■■■■pl

()

(

(

(■■■)

(

(

(

()

()

()

()

()

()

()

()

()

()

()

()

()

()

()

||

u
(

(☐ ☐)

(☐ ☐)

(
(

(

(☐ ☐

(☐ ☐

()

(☐ ☐)

(■ ■)

[illegible]

[illegible]

[illegible]

■R*■1l■h■g■=■v■9A■DQ■
■F■a■yy9■Lloi■S■v■TY,DN
■R*■1l■h■4■B■3■y■ah{■vbY■&■g■vV■TY,DN
■R*■1l■f■4M■A■<{■Y■{0■}o4■V■>■3,{foigE+■%■N~y\■>■Eo
-■T■V#oR■;■;■{■Na7■|■X■*%■TJ■c■Qk■e■h4■t:a■f■y^■WWW■{■P
■,■U■tx■Z■(■1■y=;B■0■.■r■kkk■ggg■}■p&■/■1■Y■O■S
■,■U■tx■Z■(■1■y=;r■0■+■J■P(■\■)■monn^\\■a■>■X|■!■}
■@■rP■L■)■R■3■c■J■r■\■9l■O■nnn■p>■/■D#■&■F■h
■@■rP■L■)■R■{ww■5■J■~■Y■3)■i}■B4■p:■li
■\$■r■q5■~Jh■2■8■,■!(■j■e■]■'9■B■urr■aV■>■X|■!■a8■5■YgD■Mul
■S■d>■/■D#■#■f@■V■c■t■h■kT■H■0■H■B■A■OM■[■1■'G.■;■Oo■r
■J■[■s~~.■*■L
cZ■,■h■O■"■w■0■>E■
H\■.■Y■V■?■u■m#■-■n
■h■E■p■~l■c■[,P■BQF■I■:■Pf■P■wH■23<■H^SJ■V■A-■&■
■g■,■uB■8■yc■H■L■5■;■(■z■Uc■j;■c#■nU■,j■C■u+■P■A■
■;■R^{■w■r■5d\■gp■J■`■CEx■.
_■g■}■■d■VWcS&■y■wu■W■,j■C■u+■P■A■4■"O■>■6M■J■,■<■V■upp■-
f■S\$o■q■xJ■&&i■O1■:m■R>■X'■!■2l■R■s'y■_■G)l)?■|■f■6C<■%nR{■
&■_■~■5■%■Ww0■{■V■H■1K■H■";■wpM■|■f:■\■h■~■A■yG■o■?■c■
■r■t■h■@■S■%P3■@l'R=■T■f■2■2■s■v■
D■.M■H■EZx5+■B■i■i■9■I■(■\Y■@■;U■g■YU■u■Um■D■a■
■w■5■Ek(■`■(■x■_■}■v■6M■R■aonn>~■F■S■[■@■,>■aPQJ■pt■\$;Y■S
?|■_■t■(aL■c■\n■[K■Y■&■e;■T■s■=■(ZC■cl■a■yspp`Y■6■,■g■
■4■)K■K■r■>■b■9o■<a■!M■<■'■SH■X~H■8■L■V■|■16
■?7■M■`■s
■9■4■>■4■4■Q+5PQKi■1t■WWW■eO■J■b■X■}o■8&■s
i■}■i■i■Vj■Z■c■s■q■O■V■UQ■L■!■y■e"■v■m;~c■^■c■s
■9■4■>■4■4■Q+5PQKi■1tÈ■v■~■fY■(NNN■>}■^■c■s
■9■4■>■4■4■Q+5PQKi■1tÈ■?|■(■
)e5■B■lvzz■n■S■/■)■f■!■Y■Z■ZJkm■q■F■4!■<y■!D5■eYfY6■_■x
)■m■_■E=■11■H■_■SH3■#■LCH■R■;■W■y■eYVS!{EQ~
!■
■|>■_■^■v■;Z{■^■c■s
■9■4■>■4■4■Q+5PQKi■1t■X■~■m■^K)■[M■eY6■//}{■wl/■1■9■@■B■H■i■`
i■}■i■i■Vj■Z■c■s■Xko■n■b6■!■R■y]■m■_■E=■11■H■_■SH3■#■LCH■R
i■}■i■i■Vj■Z■c■s■Yk■{■W■OJ■/2■6■M]■]■5M3fc■i■jaN!■4■0■!■b■J■7
■M■@■ki■BL■C■N!■i■`■4■Q(■RAOi■1t2■f■Z■Eqpp■\$■BJ■G■76■&■eU
■@■f■N■R-■+■#■Z■>|■BdY■?■x<■f~■f■m■-■K■)■SH
>~■9m■F■h4:<<■3■#h■]■N■B■?■0■i■P■Z■c■se■~■t*■LJ
■@■f■N■R-■+c■^■}W■?■FB■<|■~■\c■g■.q■N!■
EQ■EQ■EQ■EuV!
■Z*■)■1■9W■d■j■\~■U■\$|■eR■|{■j■F■2■ZP■EQ■EQ■EQ■R-
!■\$■xzzZ■V■N■7■Z■@■S■_}■f■4■0■u■(■j■\■|■k■oK■?>>■
■Z*■)■1■9W■Z■G■X,■}■6■N■,■BH)■i■\$""EQTU■^■e■t■;■@■w
i■H3■P■Y■B■
zJkm■qE■>■d2■L■!■J■I■EQUU■z■6■%■W■)■#■C■f!
■Z*■)■1■9W■Z■G■D■!■[■4l■(■yV■F■2■;■4■~■-■cq■'■>Lo■A■}
■@■A■f6■aXpY■J)■nnnz■u]■q■v■α■JP■N
■`■X■|■°■2■E■!■1■+■p■<99■}■:■j■z■h4■s■d■j3■)■S■f■j
■WWW■N■|■8■^■p■"■yG■Xm■U■:■0■o■?55■v/#■lw■z■)P3■4
c■X■T■bd■E■:■OfC■(■!■~■R■a■y■|■ggg■c■
■J■><■_■1■kE■E■5m■t■3■'4,■,'?■S■;vwax,■Sf■>■q■R■Q■m■|■uY
9■;■Z■Sf■>■q■j&QBL■]■]=uS■X■R■7e■B■X+■c)■W■=■.■A■V
■y^■h
■h■K■7■V■t...■r■F■k.■Tb■Au■IK
■@■o■?}■Ç■f■y■F■p'■7o:■N■TV■`■J■T■d■U
■_8■/■=■S■n■kO■_■/■Cm■TI■u■}■h
M■7■EW■LjA)■L■UZ,■oj■X■+|R+■':■

5K*&=yZ-,,1*x`%\\t+7d|pF#5[>5e8
e7e}sF<d|x|(fA8E1==3b|aC g w/
B|o<|T S3-U<|v|!H b; E rj|/t b1B P_Cb E<\\t|' 1 ROn@
nK m ^C Z!Qb z B ~E;0e}|#B @ 0 Q|iL%
*; @ e U P5 go. Bw R s
z F6 c DF t _ (1 F M Qp L Y[V0B 0| d @ "1j @ " .S B Ø| J i |>
K's QK % S > , {> g m w" > Fw V e 5h K - y
B> F E 2 RQ z ~qq noo! n W B' E | A ~ 3 _ 4 ~ \\ a m T ^ 6
M ! " L eEQ f F i W. H | c (?) { ' v N [k ; f ! : h Y
| 8 : a K \$ r B A r { { U U [V n M Y) k 3 q y
 SP | > f 0 0 & , | 6 W M]] z x x (h # % | m H \$ " 7 ' t R
i f H ` H n 5 S 3 T F ? ! 0 0 & | 6 ~ ~ ~ | , |
 T * C F ^ 6 U J , } A V e - 5 C : 5 a i) ! a L & b C) 5 M K Z =
 Y D * I g (C e R j v 2 M S X ; g & ~ f @ A A p | R | * T * O b C
 = E f A 7 X T ~ ? ~ = / v N G K o J 3 x w b i ! u U U t 2 E ! " % R ' i V i 5
 = E f A 7 X T ~ ? ~ v ~ y . _ = 4 w ' F B K Z ^ d 2 1 H t : m & 8 >
 = 4 > @ b i ! Z ; E | H x r | z z R @ S /) f L T f Y
 i } < 4 C h) U + s N D 1 % 2 b m & : . H _ S H 3 # ! F B K Z y ' s " b) k m 3 Y a t t = @ B H
 = 4 > @ b i ! 9 " 6 U @ S /) f L T 9 1 0
 i } < 4 C h) U + s N D 1 % 2 b m & : . H _ S H 3 # ! F B K Z y ' s " b) k m 3 Y a t t = @ B H
 = 4 > @ b i ! 9 " 6 U @ S /) f L T 9 1 0
 r < n ; x : m 3 v X F m R ' u q U] & O } v ? ~ T = { < H * / x C
 r < n ; x : m 3 v | Q X U 0) > L < H 9 G | i ' s M
 3 3 | ^ } ? > S 8 d ' Q - m : o 5 ? w a c j L 6 q p H l % D
 - + n z o n 6 o ' k B 3 d f X 7 Y = m Y V Y H | j ^ . ()
 & æ e Q 5 W E
 7 7 & Z ? 8 ^ B A ! 3 # " U 2 \$ ^ n * j v n ; u i L + R , V j F , 7 [M j V ^ f { N
 u f s W M ! h | j u { / : C f F ? ~ p 7 t X c = ^
 { r & 3 r 7 O e . o G { { m _ u 3 w J K n ~ x > 7
 = z | j % k G : F X M ! h / w ~ ! v w w W 6 V W _ Z ^ s
 ? ? Y N - c 6 k s } < z 7 > f j m & a o u c _ N a) o
 # . f v B [S ; U T \\ a f # W 4 " G f E 5 S] û 8 c q 8 W
 " h w L ^ > N " K N O S k 0 6 u \$ } | u J | B ! t 5 q
 w a ! } W V K M c f & } h a B m d ' 1 z g
 [S " F C / q c 3 n P r m 0 n O A G 8 ~ * s N ~ w ! m 7 r i F 7 M ' <
 ? " L " U & L * 3 < b | 1 2 * m ' [N 6 { Z 7 8 ; M w ! C S N
 & u A & H v 1 _ j 9 z k b c { e ; } < 7 \\ r c t V [w H #
 n m ! = i ~ + { 7 t V : @ l & - F N B o z u t L y z t C
 N ~ Z e 0 E ' ~ Y " 9 Q Z g T v + B ' Q S m j S \ ? _ [z
 X W W T P W ! N 1 N ; ' 8 K *
 ! | l 4 i g | x g : S R C] ! : 8 / 0 , Q Z g T v { o /
 B C 4 n 9 e b u J | /
 B 9 2 R c i g | x g : S R C] @ ! # | / 5 k v N p (3 U * e ; U /
 B 9 2 R c i g | x g : S R C] B | % X q ^ 8 a Y T P W E B (/ _
 o r z H . 6 8 - Q x T G L C : ~ o u Y I E t W m 9 0 : b g f
 l g , , ; 3 [q . \$] U [Q H : 3 ' g t h / b s ! J r 0
 | D u u z # K o V } _ L \ N P J u y o z ~ o i y ? { x ~ %
 } s @ n / O S \$ U u K ! ^ } L : ^ i # q * ~ m Q V . > c
 ~ = 3 Y C : 7 4 0 " b - e v { 7 m ! S ' ^ L v 0 ! S
 0 3 5 C G H F y ! Y V Y % S g Z [W 5 i D !
 R \ v z . = 9 R = % M 9 ' r z U v N ^ n e e j | -] c l y
 p h G I 9 R D T N n ~ > z z y y y 6 s o \ B s
 F D 2 4 3 } \$ p * p S f 6 t } ! - ? Z y s J n 9 | l # 5 Ê y ; X / ~ c N
 R K O 6 e h Y e ! 3 / f 1 o D . C 3 S Z z i s e
 W ? ; O l h = k L , 7 0 '] H m N ! % 6 z
 3 = k c B + h E d c Y E 5 W } 5 q h] 3 x ^ > V w = 9 | X Y X 2 . T
 d M i ~ R o o J n] w # t > : K / w _ ~ , ' F D t) z
 < x S 6 E j D 9 C 3 . k i 6 v H j K 3 R | L ? & g H /] D E U
 W i [= Y B E e Z 3 u D X m L] N F Q M K F \$ 5 < = @

```

)B=YB==EeZ3G>]o-~*9dS
|~?ž/ PiHf8,!,u4X~Ql/ -u, W[7
uXJ#iB_9 :2H"z p{;{xz>b+JkmG2)M)d
>stream
HUN@}Wc{ TU"Z"Ac!!!!!!`Jb-]AT93s{=boY{m;}/p^T/7
8j5E÷yR.q&p]??,l d8DkY-3YfxMttLOzF
endstreamendobj11 0 obj<
>/Filter/FlateDecode/Height 763/Length 1454/Name/X/Subtype/Image/Type/XObject/Width 1900>>stream
H
endstreamendobj12 0 obj<
>/Filter/FlateDecode/Height 763/Length 56906/Name/X/SMask 11 0 R/Subtype/Image/Type/XObject/Width 1900>>stream
HZZJ_hv6!n6b/0TPiJX%U*THCH]w:s
<[j[U MqDQA v&G|vvg\8QNBjTOaej uo
J#
i;SBQXv nMsDvr>RMsR^VO<8~n-<A~+uCw[h^}=L
9G'.:WVe
Uzy}CGV.N
Ht(8x|8)#u_ pD-F_LZ(*d&(N}[WW{5Wwj nMYMo xj
gu
}jb o^
QM8wy7_r/VMo nmy m[25zT whdH08^J VJ
4u-!&L F++!$?_u2;Z+}N VZ
WmkμZ}eE_!j&[[]gzf n z-TX3e}e
^j a W>Z::++++(z-!_!h Sc0{
a F#lyIX+ \M'an a_oEu9k+ =C6#WZm~}
. i Y'='O7y>gG>>wL>DG[>0|Ôw/[
"o7mZ<!!"?s]!!$5TUUMm[Oz9Ns s:&VwglrC#6t: x0;~
";+1d\U kNs/ á?~O5YeeP2!_u]!!$5T
o r qH`6/y. r o =`&4~|q:3!F_\xse vUUU4m^
R*1 FZgl t6\ , n j J|RRJ1&Y[Z4M3?MS h x8
!/e4M&{Ã`?{vV TY,DN
R*1 P=Z??&`0???)tzzz u^}6Zjq~nJ
Pe9)TJJ2$U3MS{N n pwwz m<Dk|o4=Ns q
V *|RRJ1&*g|>N??~m8A: .i. |A[8wβ
R*1I%e m m r E>\_k y =;vV TY,DN
R*1I h g =v9A DQ
F a yy9Lloi S vV TY,DN
R*1I h 4 B 3 y ah{ vbY&g vV TY,DN
R*1I f 4M A <{Y{0}o4V>3,{foigE+% N~y\>E o
-TV#oR; ;{Na7|X*%TJc Qk eh4 t: a f y^ WWW{P
, U tx Z((1 y=B0| . r kkk ggg} p&/ 1Y O S
, U tx Z((1 y=r0 +JP(\) monn^\\a >X|!}
@ rP L) R 3 c J r \ 9l O nnn p> / D#& F h
@ rP L) R {ww 5 J ~Y3)i} B4p: li
$ r q5 ~Jh 2 8 ,!(j e] '9B urr aV >X|! a8 5 YgD Mu
S d> / D# # f@ V c t h k T H0 H B A OM[1 'G.; Oo r
J[ s~~.*L
cZ , [ h O " w 0 >E
H. Y \ ? u m # - n
h E p ~l]c [ , P BQF : Pf P w H 23< H^S J V A - &
g , u B 8 y c H L 5 ; ( z U c j ; c # n U , j C u + P A
; ; R ^ ) w r 5 d \ g p J ` C E x .
_ g } | d V W c S & y w u W , j C u + P A 4 " O > 6 M J , < V u p p -
f S $ o q x J & & i O 1 : m R > X ! 2 l R s y _ G I ) ? | f 6 C < % n R {
& _ ~ 5 % W w 0 { V H 1 K H " ; w p M | f : \ h ~ A y G o ? c
r t h @ S % P 3 @ I ' R = T f 2 2 s v
D . M H | E Z x 5 + B ` | i 9 | ( \ Y @ ; U g Y U u U m D a
w 5 E k ( ` ( x } v 6 M R a o n n ~ F S [ @ . > a P Q J p t $ : Y S

```

?|_t(aLc\n[KY&e;Tss=(ZCclaayspp`Y6,gg
4K)K>b9o<a!M< 'SHX~H8L|V|16
?7M`s
94>44Q+5PQKi1uWWWeOJbXjo8&s
i}iVjZc'sqOVUQL!y"e"v~m;~c^c's
94>44Q+5PQKi1tÈv~fY(NNN>}^c's
94>44Q+5PQKi1tÈ?|(
)e5B|lvzznS(/)f!YZJkmqF4!<y!D5eYfY6_x
)m_E=11H_SH3#LCHR;WyyeYVS!{EQ<~
!
|>_^v];Z{^c's
94>44Q+5PQKi1uX~m^K)[M]eY6//}{wl/19@BHi`
i}iVjZc'sXko~nb6!Ry]m_E=11H_SH3#LCHR
i}iVjZc'sYk{W_OJ/26M]5M3fcijaN!40!bJ7
M@kiBLCN!i`4Q(RAOi1t2fZEqpp\$BJG76&eU
@fN~R-~+Z>|BdY?x<f~fm-K)SH
>~9mFh4:<<3#h]NB?0iPZcse~t*LJ
@fN~R-~+c^}W?FB<|I~lcg.qN!
EQEQEQEuV!
Z*)19Wd~j\~U\$|eR|{|jF2ZPEQEQEQR-
!\$xzzZV~N7Z@S_}f40u(j\|?kOk?>>
Z*)19WZGX,X}6N,BH)i\$""EQTU^e~t;@w
iH3PYB
zJkmqB>d2L!J|EQUUz6%W)#Cf!
Z*)19WZGD!|[4l(yV~F2;4~--cq'>LoA)}
@Af6aXpY(J)nnnz]u]q~vαJPN
'X|°2E!1+~p<99}::jzh4s'dj3)S'f'j
WWWN8^p"yGXmU:0o?55v/#lwzP34
cXTTbdE:0jC(!!~R'a~y|ggg~c
J><_1kEE5m't3'4,,'?S;vwax,Sf>qRQm|uY
9;ZSf>qj&QBL]=uSX7eBcX+c)W=.AV
y^h
hK7V~t...rFk.TbAuIK
@o?}Çf~yFp'7o:NTV`J~TdU
8/=/S~nko/_/CmTIu}h
M7EWLjA]L~UZ,ojX~+|R+'::
5K*&=yZ-~1*x~%~\t+7d~lpF#5[>5e8
e7e}~sF<~d~x|(fA8E1=~3b~aC~!g~w/
B~o<~|T~S3~U<~]v!H~b~;E~rj]/t~b1B~P~Cb~E<\t]'1R0n@
~n~K~m~^C~Z!Qb~z~B~~E~;0e~}#B@0Q~i~L%~
~*;@~e~U~P5~go~.Bw~R~s
zF6~c~DF~t~_(1F~M~Qp~L~Y[V0B~0l~d~@~"1j~@~".S~B~Ø~J~i~|>
K's~QK~%~S~>,~{>~g~m~w">~Fw~V~e~5h~K~--y~
B>~F~E~2~RQ~z~~qq~nool~n~W~B'E~|~A~3~_4~\~a~mT~^6
M~!"L~eEQ~f~F~i~W.~H~lc~(??){~`vN[k;f]f~l:~hY
|8::a~K~\$~r~B~A~r{{{UU[V~n~M~Y)~k3~q~y
~SP~l>~f~0~0&,~|6~WM~]]]~zxx(h#~%|~m~H\$~"7't~R~
~i~f~H~`~H~n5S3~TF?~!!~0~0&~|~|6~~~~||,|
~T*~CF~^6~U~J~,~}}~AVe-5C~:5a~i~}]~!aL&~bC)5MKZ=~
YD~*I~g(Ce~R~j~v~2~M~SX;g~&~f@~A~A~p~|~R~|~*~T*~O~bC
~E~f~A~7X~T~~?~v~=/~v~NG~KoJ3~xwb~i~!~uUU~t2~E!"R`i~V15
~E~f~A~7X~T~~?~v~y~.~_~=4~w'~F~BK~Z~^~d21~H~t:m&8>
~=4>~@~b~i~!~Z;~E~|~H~x~r~|zzR~@~S~(/)~f~L~T~f~Y
i}~<4~Ch)U+~sND~1%2b~m&:~.~H~_SH3~#~!~F~BK~Zy~s"b~)~km3Y~a~t=~@~B~H
~=4>~@~b~i~!~9"~6~U~@~S~(/)~f~L~T~9~1~0
i}~<4~Ch)U+~sND~1%2b~m&:~.~H~_SH3~#~!~F~BK~Zy~s"b~)~km3Y~a~t=~@~B~H
~=4>~@~b~i~!~9"~6~U~@~S~(/)~f~L~T~9~1~0
r<~n;~x~:m3~v~X~F~mR~'uqU~]&~O}~v?~~T~={~<~H~/~x~C
r<~n;~x~:m3~v~|Q~X~U~0~>)L<H~9~G~|~i~s~M

3|?>S8d'Q-mo5D?wacjL6qpHl%D
-+n z'on 6o' k'B 3dfX7Y==mYVYH|j^).()
&œe Q5W E
77&Z ?8 ^ B A !3# "U \$ ^ n * jv n ; uiL+R , Vj F , 7[MjV ^ f {N
u f s W M ! h | ju { / : Cf' ? ~ p 7 t Xc = ^
{ r & 3 r 7 Oe . o | G { m _ u 3 w J K n ~ x > 7
= z l j % k G : F X M ! h / w -- ! vwwW 6V W _ Z ^ s
? ? Y N - c6 k s } < z 7 > f j m & a o u c _ Na o
fV B [S ; U T \af#W 4 " GfE5S] û 8 cq 8 W
" h w L ^ > N " KN O S k0 6u\$} i u J l B ! t 5 q
w a } ! W V K Mcf& } h aBm d ' 1z g
[S " F C /qc3 nPr m0 nO AG 8 ~ * sN ~ w ! m7r iF7 M ' <
? ' L " U & L * 3 < b | 1 2 * m ' [N 6 { Z 7 8 ; M w ! C S N
& uA & H v1 _ j 9 z k b c { e ; } < 7 \ rct V [w H #
n m ! = i ~ + { 7t V : @ I & - F N ` B oz ut L y zt C
N ~ Z e0 E ' ~ Y " 9 QZg T v + B ' Q Sm j S \ ? _ [z
X W W T PW ! N 1N ; 8K *
! | 4 igx g : S R C] ! : 8 / 0 , QZg T v { o /
B C 4n9e b u J /
B92 Rc igx g : S R C] @ ! # I / 5 k v N p (3U * e ; U /
B92 Rc igx g : S R C] B | % X q ^ 8a Y T PW E B (_ /
or zH . 6 8 - Qx TG L C : ~ o u YIE t Wm9 0 : bgf
lg , ; 3 `] [q . \$] U [QH : 3 ' g th / b s ! J r 0
| D u uz # K o V } _ L \ N P J u yo z ~ o iy ? { x ~ %
} s @ n / O S \$ Uu K ! ^ } L : ^ i # q * ~ m Q V . > c
~ = 3YC : 7 40 " b - e v { 7m ! S ^ L v 0 ! S
0 3 5 C G H Fy ! Y V Y % Sg Z [W5i D !
R \ v z . = 9R = % M 9 ' rz U v N ^ ne e j -] cl1 y
p h G I9 R DTN n ~ > z - z y y ý 6s o \ Bs
FD 243 } \$ p * p Sf 6t } ! - ? Zy s Jn 9 I # 5 Ê y ; X / ~ c N
RK O 6 e h Y e ! 3 / f 1 o D . C3S Zz i s e
W ? ; O lh = k L , 7 0] ' H m N ! % 6 z
g Q A s ` d + . ! N [Y ? J Z f { . O) s & _ > ~ \ 5 =
N | ~ k c O ` 8y u ~ 9 s
) V] Cb : v h % 3kl Qo k Q 0 i | i w e 9 x 5 * ; P
f lhw G . x T " d + . ! N , R L P - . x T "
(V] Cb : u 1 | = ~ Xj 3 J6 7 @ 8r ") H Sg = y
' & [v GND u QW ; 5 (V] Cb z N , g / + d +
| 3 J6 v gl Y k j Y
y | w k k # "' : Y Q e + V PC ? oc t ^
? \ 5 v @ * - Y \$ q s G π u z % y > % t TA fl
6r ' % j Ks R 6SY . , g lp 7WC) K z 5 [i P 5 } f t o j z O
69 S ' AD6 c : M Y ? R F d / / kv 4 ^ | Y z f v Z W 4 ^ -
6 a \$ D | Å " | v lo r > [Tmx S - -] > [y _ ; zS { O R F d /
6r ' % j i ? Y pa z > L & y 9ki Q j f as q { 9 ; p b R <
x] RF d / (JH) J L5d
x] RF d / (JH) J L5d
x x1 K n + !) 3 * m n5 K " n + !
? T Nm U9 L t ~ } _ S = w V / r @ rC #
a ' " < J 6 N 3 = o = 3 R W y "
v J { zz_ O W N ^ & [ND V w [/ j m > nJ ^ & [
dKUC CD V u
dK < q " } J S ^ & [' ND V u
dK { } * N I) C \\ 8 OX) 0 - eC { { "" + * h
g ; , k . < Y > / = U i E] Q E v z A u sv 5
dK { } *
4 ? Y < ~ Y x) ^ L i z X W7J S _ VK 7 f n ; 4O i ^ U O ` c f l h } o
7(0 - eC { { F FQZ } u 0 r s Q I) C \\ 8 OX) 0 - eC { {
w ` @ { d } \$ Keil ?


```
(003000X00S_000000=g00005000i000=b00000Zb0000"BdV\0008p00700000B_0000500000Nxc0s/00+0jX0-0000?1m0000x000?00000O0A0X0Z0I"0000000000"Em00\000000#00G0y00400000Z0000000000eX0@00|0cQ00;0O5000w000000?zOis_0T0900~00k0000000W7vg0072#h:K^0000:00000-00#d/0000|00000s000000010000000x0000|0
```

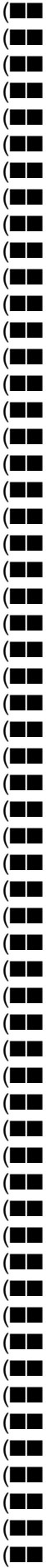
Ox[GEEYUUYXgk=_Tvc9/ JKKqq4mb0;,*]VZ
GVr\hX8((k{K{y<R5ZiZ}|Xo@F9~"~w|/f8
*4z_k4o_[]ja_Z6|rryYQ(Z5|pJt\>Vij|u|D5_K
0X6^jxp&)_|3Wb/_\8_g_TO(
Hk?`/_\??!g?q),&*Q-,TS;m{JgQ
5Ez.({Rm8Yby1@s*nn
a?7p7g.4XKK\''_3
uuMU8[[]?>m\XU0/|g?_3
q?o\$4Q_K|Bφ*Q>1Gq?d+/_
a{E*}{E*#yOD{^G
z?5
z>FSA>a{E*}{E*#yOD{
yy!CCk^mC5MR.[Wt2GqwmXq?NOZ;;)-]/K
D0n|Ky:_+_!w~n7o1z_x6mx\m.e3A,
cb5ji~tHmkh\k+8aFlldr88=+Il4_xZmeRgSD\M
RpI{ZRR~Ww3rrJ}|/;9|cAAOqlidN,o\$|X9P6
Z>?ZbwWhSP1nLVM&!()?1i>T\$G|J|I"Hfd2%iX
\$prrii(~~]5'k^xcô5M^+H-bc[&o4,D;
oF>jv#w#hz9&ZHφ9m6W\$6M1_]G|;
.σ|[jv3Y%>o3:qoPZsjMtzc9l_~\?;e
>jUmz-xPy;J?"D@{>,4tWDF!HV\$({HAXZ
k]*L|s9)c%V.*>\e~g9|@?k(Ann)k/
,\$odss!BUq57ttB_~<.X;y5E WYTC@ @y|csK KOt"\$ \$
p6
-C^mSG}-G7ql2hGk[F_QB7q5sK>h=^l+9Rzww
li-uuqqqf4h{|-ss~+;|5aSFpFU6m
>{j^9%i+6nn1î0QJ(t|UJl+Zyy+;u|i+zz";-Mn
%|L;R+E<0gR6n^>}.x12
aSS4rro[>~KX\H R?
_ljVp68W
vp*08QX~%hq6(/_EX&]BVJnEGW1uP:|. <W]mFFncM
s(kkyF]1Vt?..uXc<6|mYR}O(bd
n<UU\|%ss_||7:lvooj"ss!_xG<_CidImKY#1)AH
RRJkk&CCJPQTQ2)ssYoo
\$lY::FCCyEEYCqF?)Hns4i]tm_}5e+~>_
iiXMbχ5c\i]glQ):O\$Wu^([V G.
kz?ddZ[y+k7*#F1h[h5{.m}?+(((((
+-WRQ,s2<h>?1~_5(W)W~b_cG_
Y&52[qh;#8Y.hz}\$VOc+5zuP G>YJ
G8v|h;D
mlm[Z'W<0TF0Wd{KZn6W([~-aiYUw)6l
X5O
./."U^T7w' _Mo*}Z5.gC;/vc7axi]17G^sOR[Z
F>pAnqKO|A\$6ZL#1=1mA9~_65j]jZqY
FW*9[Z6RiR!UYYa;|dvjgQjJzy<3|[x
Y\$Puu1i=hY[fi<[TB_gsrT5r[|c?^<Koo b3ŽJ
Y>..w1y|bRw|m#%|n|t|i|;?m[\$#Qm, #S}t
y-eTWBWC3W^ttb|y|j1i_|-2@, >\nfQoZ\y|xJ/ <a
a"EEPYf<Ssa5UMK<2:PIx7
S^kk<GU?>gvx||"gg%g6Vc\$*64#]||{
ii)ffpq"02goonj6/u2
DttMJvKu'c?.,i6?g)-Y((d9u)W?
%L,u'22[|mW|+xi|k0\$u\|qk
ZbD>|
#j|=)3/8:|+ZV|m4eZ3}|D<ZV|m4eZ3}|
{|qV#z3k|h|g|o|o|h2k7~(m-^>i+*/NF.
z]EbH9v!X184tu~ù= &T[X{8oQn`{Rj~<}-&||
O-SSQg=MR|ex!7,,:q,\$ysoí|z+A|D>[a\X43H\$b|k
ym9\| ^k7V4"[";F}FP(|n8gs9e!94+QE!Q@Q@Q

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

*NwE UQR Z 6 k (; E m z QUEJv k . < z
*NwE UQR Z 6 k (; E m z QUE 'ft T j)- B,
2~f M U T h Z T z] _ x EU) . < h *S] _ x w
*NwE UQR Z 6 k (; E m z QUEJv k . < z
*NwE UQR Z 6 k (; E m z QUEJv k . < z
*NwE UQR Z 6 k (; E m z QUEJv k . < z
h Ebo 5s * h h *A K/L h K/L h *A K/L h K/L h *A K
> Q V (6 U v sQ k ; ' F l û ; [3f E t 7 ; ' L K 2 ' c > a Q & b Q U i
} . E | = 2 s = kGOH b F - ? h } +m
z & 1 \$ OG > D - 9 m 1 T j * G * z C d h # \) T b W 1 & b F C f
c " c - ' l d V U V # 4 T D D u R . z M \$ = . \ & R = R
v u j } & v , ^ M M @ . 7 6 | 2
o & i 2 X W F s Q * M E h d + X F " E J > 5 E e L ~ - # h 0 * Z D R
9 Z J u E E J 6 c x W * Q) M 9 3 ; + o ^ F) v 3 % ' Y X \$ 5 i g F ' X Q E \
k S = Z 0 X 7 & } 7 < M 4 V p 0 M k - y # l q b W ; |
' u S M | V ' K F = | k - E ' - 8 * O Z J | K b S a T M
t s \$ c 5 0 m + ' 3 Y Z W : s] } 4 p ; > _ 0 k [< z t P
r Y z ` T d ** ? * M e R n K / L q 7 % 8 e l , 0 y B c ^ < &
r Y z ` T d ** ? * M e R n K / L q 7 % 8 e l , 0 y B c ^ < &
r Y z ` T d ** ? * M e R n K / L q 7 % 8 e l , 0 y B c ^ < &
r Y z ` T d ** ? * M e R n K / L q 7 % 8 e l , 0 y B c ^ < &
r Y z ` T d ** ? * M e R n K / L q 7 % 8 e l , 0 y B c ^ < &
r Y z ` T d ** ? * M e R n K / L q 7 % 8 e l , 0 y B c % * 4 j o p T
r Y z ` T d ** ? * M e R n K / L q 7 % 8 e l , 0 y B c j o I W m R 1 + Q S g
 , 0 y * M e 2 & 7 % 8 T T ~ T ^ < ! Q P 1 R n K / L p r Y z ` E @ , 0 y
2 ^ < = # 7 E G r W Z y ~ f P 2 E T D L \ ! } * q T V D T U /
& y \ V & j : i \ k + k Q \ Z Q 3 u \ , { + ; e *) E / - H p z c
Q c G 9 h E V D m _ 2 _ P = d O J 9] 1 V 9
o ? q D [o ; ~ b . ~ b . G 1 / u l U " } Q - w Y ! s k #
* t i % D U U = 3 % j T } , H Z ` 9 L 9 k T D \ N F ; c s p D U u 7 S { 5 U h d | }
> T Q S E O > > T Q S E O > > T Q S E O > > T Q S E O > >
> ; s V & p T U l m z T C b c f , r ' Z T = O Ö E P ^ [{ s M , G " { R
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ . n O V B c s ' f P E X n v u l * Q | s } e y Q P
A c s ' f Q j _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ . n O V B c s ' f P E X n v u l * Q | 7 ; w x j <] [5
 _ , Y 8] F n O V C s ' f d m } Ω # 1 r 6 5 \ ; w x j \$ Y . = V U Z
1 4 t t ` 0 q
6 Y ^ r V + Z o > 8 + w , r 5 9 ^ e s | - Y \$ U M D k i }
t 6 h : 6 7 & i b 1 Y / i _ D _ ~ 1 1 O 2 D _ ~ 1 1 O B q 0 s 1 P
endstream endobj 18 0 obj <
> /Filter /FlateDecode /Height 733 /Length 1400 /Name /X /Subtype /Image /Type /XObject /Width 1900 >> stream
H
endstream endobj 19 0 obj <
> stream
Adobe d
"

[illegible]

:3UVD,R:J10qrul5853+WmXi%:ug:8N1PuuqN1qqZ9L]x;]L57,\$
i;qji9\$Q/aXPM'F}
,QR/5,WJ0U
*Rf.Nj`!uupWp?&'Y5wNj`!uupWp?&'Y5wNj`!
E60qW[3Y,;i;s3gb==s}%f~|M?D==n977Vo
Mz^;Dr5Fp6.Fp\5>8!!N168&u2:JXaY
:4
8,16G
IJ486(Vjd+IW C;
0xXaee'jR,,}Fo{m{\mZ7fBtY}xf's>iK
,SVtA,V9/*q*U VW)F(IN.)RmNO/=UWV k6Oμ[
jh/K-4cU#R2i80Ii|oe*{5eeZ\$*OS<mRe8gPq<V[3
X3]JTeFTy69m"ia7)iiF-Voij-Y:jmiilB3Mm?KgDc-o'Q8
|tY+Jxju?M|+cgHYe(a)|:|+b2*KjJn8i|q\R
ybyb8-O:z'xQ%wk^9Z'
IPPqi\|s',v3M5KWW2zbb|lg)q[|==o9oXnT|JtgY M/V|.l
:~}F6JYkZo'a;e%J3r|icX(s)Vj2:|\ITQJ+|^+N[%%z
QJJ+g'9>2mRVRc1«J.<%Xx-m|liS.o7>MkV:
,7eJVS:VKGF\01-{||t;MB^'9VikKrrN8h'u3
_||Z3HfAKi@|[gVIN+DaaRRqZ^8}jZYY8n2
P,K|}%Yxb. @xc`WVzQ<||9Dv;FZl|t|#^8'HVr
9RgngH ZpYRkOAA6)J|a|c8FJ>-l|p|o(R{8FJ<O N Ee^6R
eY<3M OVVWhN\|t|c!7m3,c9N|m%|c)*|.|
(8dOj'6ee-0T Rj|f58rrSO,Z.1tN|Tc
N>A n03'\$=m=h&e>(|a*t)F|cEEIsl\$O N5m
d|lM=#s{l1?mjZ(R(NN^=M8|[TjFp|e8&=O\$Z'Z:0
j5K4c8FX0O+^\$5|KEJ) |oUwSx-DK# # \$
AEEZgg*8A55<C|cZ|nXi2G>}<S|e*mUxN1jO|m%a(|f
/H|kX"dS|e~|l %&K^?6^kX"dS|e~|l %&K^?6^kX"d
1||+JF F%NM, &~C-/
)N5QC B>K\$<%j|tU m3R3TP%'s*XlbD[oKuNN: A%:u&U
8r|v2}ZjR{>U&#B%|||a|s @|5[BBgZ15u]HJ) %S%
k% E|G|b<^c?<R1V F8TO^2J/"ne_L\$xCJ|iUa%, S
||v|[U|F1,96G.o),5p|tcU<f|mV[\$KJ[TV
%5^R5cJ) :7^rOS&X^:z6[5m%!R2|4f6x|_9b+Wk
6K53UGr?@QnNX~|i,|_<7J6J<,UQxO,d|y^|t0TW5(RY|e|B-b4+
x,|a|e|E|o|g4s|MV|K|r|%9c<e.y\$w+o|k^S)|Q|r|e|
}|V|e|F|V|R|R1QE|x|x)|jZ)|J9T|V|)|e|y|/|eRwthJ1|e|
X*p|R|j~U|VW|s|i|H|m|k|Eh|q|[T|Q|JX5|B|[a|
B|hm|\$)|<i|" %<c2T|F*1|l%|0c|c|6M, *|.1
ag|g|e5M: P|R8V|P|H|K|B¼+ .i` U35&_6M8\$Bt
O|MW|a|j|+|JsQ|5|rs|[m|H|+W4|i@|e|
b|V|g|l|M|w÷|K}|V/[?V~{6k5+M|V|k
tj|I7MER|h9R|T|T|%m|a`RT
S|P|]m|q|N:K|]|=[Z>P1j~h|k|i|\$X+0Qm
g5!)|e|S+W|S|
o|j|*|T|T|[V|j|%V|O?F\$F_;\5x|m|o|V|iM|#|e|
[u|jO|G|Xb|Z|Z|R|"f%Z-K|j)c|Y|L|O|KY|(JCO|R|re|*g7|o|
CO|R|r|TS|a|?#Smy1X|b|+S;|we|y|K|y2|j_?|oy-fl
endstreamendobj21 0 obj<
>stream
H WK6W0l= @&E|z|zZ Z-^i}|A w7i`Qp|o|W|a|V|b|~|f|^i6
|4|h`|i|l
_:tZ\O WV;R%N^L7+|4Q?^2\$|v|eP|i|[>)|j|
)|cS"<q|0:8;|jq|v|R1<df2 @P|w|;|,}76j|e|
.O|x|i|Y|s|S4#C|o|0.3|P|Q|=90yvd>Z!_37r|q|
MDZg-i|Y|.u3Ud~n2^<|\wrQV\$
9D:q|Guie+|b|D>L`zX
endstreamendobj22 0 obj<

```
>/Flight/FlatDecode/Height 752/Length 75766/Name/X/Subtype/Image/Type/XObject/Width 1875>>stream
H███k███? "[███zO███=N███"]J███Pp███:███B███w███ t███:███E███(███X███)███"5███EK)███s███[███4███&███u███
L███w███{███J███.Km^fXM███w███2███BB███+███D███
███;███w███M███b~l███d███e███=F' /MB]███a#███
███om6███E███D███~███V███y███5A███Xq███b███NzJ███W███1███~%2███J███w███^███r███E███.███6███K███_n{.G███?
███T███Z███H███I███G███5A███z███?███'n███7███-███#U███mc███y=z&███X███4███n^W███<███K███
███l███.███;███i$X███ym\███zoz███R*███y███4(███U███{$L███Ø███fsE/███-u███j███n███F{h7k███3███4lr███K███V███v1███q███
uh███8~███q███R███n███a███Q███irP███7███)███m███N███^███b███4;███`C███BX███p███O███ly███z███
^███k███=fJ&███[o███_███3'███kt███u███B███:███RuIoUK███K2███[███6Gg███7███:███-<███)███>███Gg███L███
A███o███j███\███Pj███z███8i███>███(o;███di███p'███j███0███H███9Ql███*███i███T███.███%VL███
qqv███Y!███e███YSi███_███e███V███*S███4!MH███R███R███,███)███!E███E███BH!6b███*███J███`$███7███U███^███\███d███ogVwgf███
███s███#2███m███|███uj███2███l'███4███K███;███d7}9S███A~D███[███J███Ts███bu`███8███2+███n^aO███cj███D███U███
-B███C?███:5███z███y███O███V███,███j███,Q███\███S███b*███R/8&D███Br███E███`j███p███pY"███_███L███Bo███((Uq███
███6iV███EG███&J███{███;███*M███~███;oo███3███-███E███Sp███bw███[███H:███a███X███PQ███p███
███c███d███9███^███%!!!!!!███2███2c███x███FB███Ma███d███fP███P███n0███k███v███3███$███-Y@███zC███
B███(\███q███W███~x███Qj███G███"███ω███?T███^5███q███-(9A███-███[███l███B███&███\███,███a███,*███k███Pl███
cF███MU8███]t███7███mE███7███y5███Vy:███?███(███&███O8lhB███o███_ròf███U5███P/███K███s5███o███9███
Nh███\███Z███'0███H)x:███p!W███Z███C███(███Yk███]t███t███:███n███Mf███P███8███.
r███&ID███-8███mp███!F███v███y/d███$███\███s███Y███!{███s8███e███]███Y███Z███
███eSx{)R███YBSH!███9███EJ6███mb5h███iZg███6███=███$███f███~███3c███\███WC=Z███M███J███;/███
███`███J███A███)^?}███J███^87███3███Vdg███^x███R███=███DWd███KZR███W███n███U$███%e}███k?███/███'███{███
u███T+███]███vi]███+███Hj███p]███d███l███p███v███c███+███4o███FI|V███Z96███~███[*███rE+##███\███~███p███
███6███19u███S███H███Zc███2███A|1v███^?███k███E███q{t~███Vm███lm███+███F███q███Ã███F>9███`███
███2███J███n███r)███.███6███M███Z███;███B4[███y███{███^███V███T███6███8███q'███;███[0███
r███Q███r?~;{███Y███M███<███p███b███(███g███:███b███#███xG███\███O███9███1███
W███L7y███V███q███A███^&███A███7E███'i███D███;███5███MV███g███#i███l███9███0███H███l███p███B███x███E███e███E███8███
j███`███F███3███G███Y&V███g███v███>███g2███9M███c███d███Q~███O███%███;███O{███vs███]>███_███h███D███$███C███
~███a███R███k,███r███7███,███n███k███)D███F&A███^███O███$███D███.███h███<,███]███2███>███)~`███a███)<███bo███o\nj███
███'glo███D███jk"███RX███|███^███g███Ly███}███y'███_███3███1███<███D███$███At███\███Q███e███y███c███K███}███
███5c███&Q███~███}1s███U███CM!███m███JKS███Q███;███9:███Xz5███nr███F███d███%███T███
███7███83~███\███N███0███T*███q███V███A███+V███f███ZbIU███Xk███9███w███M███m███Z███
███O███'███/w███&███Y~███;███=███y███($███6███];███x███g███v███.███L███,=███z███h███
███m
███<9███|███$███f███d███M███z2███*███(███&=E███s███K███NC███yq███J███L███ft███>███q███L███*{███2███M███T███
T███/V███jG███m███>;V███C███{\███nOu!███]w███cS███x███Um1███av███p███~███T███l███z███1███T███M███.███7███]███N███
███5███XÖ:███(███L███t███Uq███E███s███^G███O███7L███A███z███=V<███t███oR███R███
███[███x███iW
███:███j███ny███B███^███7
███NS███Z███7███t███M███
███2]O███F███gY>?███fC|Wa███U███a*███@*███
███{███e███Dy███k███6"███zT███NW=███~███b6███z███z███^███ID███f*███(███R*███2███c███6███
███z███11███,=i███#███i███U███w=███%███h1!███h███^███,'███K}3███2███
███|u███WK███9███qm███.d@███J███G7███e03███z███^███(███R███å███}███y███k███F███
███F*███lf2?███+W███S███p███~███RJ███x███ss███u███?███K███<88|███47[███tt███|███z███~z███_███
███F*███gy███lf2?███+W███c███_███ik███5███2███
███:~E███7███W███_███9███{███l███_███fkrr|||███5███x███O███?███Z███X███V███'?███OLL|███i███
███:~E███R███E███k███LOO███%?███fkrr███e███o;███x███Q,███N███Vk5}███ju███#███{W███_███>███{███'███
T███tJ;███=███0███|███|███9███yf███$-███Yr███O███d███;███^███0███8*███?WO███2███Y███"M!███U███Jq███$[a-███
███o███1███=-X███n███b███|███4███|███bP███i███9███-███Z+███K███!███{}███$███"███@███@███F███pO)███lf=███
███<███a███U███"███[^███i2███V███-███Z███|███n███2███^███e███{███O███(███'███q███[")███
███8███
5███u8███[███|███_N[███/███y)███x███P███ik███2███C███D███gN¼███B███l███"M!███U███Jq███td███qr███N!███/G███
███~███cEfW███^███Gu███/███zv%q;0███e)███FgV███W███p███@2███
███,███p4███V
███u███l███(███9███6███"███t███i'███x███t███R%███$███@███L2███=███_███G███#S███@███+███S███C███
███{G!███Lq3G%███.3███>gC███BO███x███H███T!███4███hQ%>███|?███0K███T███@███-k███y███1███<███M~u-███l%███Y███q███P███
███"███W███|███9███FG███`███qs███ÖHJp███***███w███*C███(███@███-X███|>███;#j███
███2███r███b███R:███-l*}███Q███z███#4;a███Bq███p6███r███`███(███Q███hDQ███hQ███-███S███j███$███
y███C[███'███L*███J███500(F███gfP███w███m~███Wq███3███tuMNM███P███h███RYVVv&███jh███
```

!p r ;A z + "J7 gY E f (+ ^ b 2 |YW a
6 F , . C }
i = m / j W U Y < |T E T V 6 ! % F \N
Q j i4 R z8 "46 C (A) Z + j Y ? g0 C T _ m Zt z p}
h L o) sH SsK J N 3 ? 6 F , . o T * ;]Z R N S (B ays
d Q _ T4q. 0 w (s x m L ' &) Q s 4g1} = k 0 mg (; 4+Q\$ +
& ! Z [z G ' 8% @ _) H H4 7 ' 2
8 O / _>} _ 7 * | T N r 5 q 7 G t2 = Q]0KD Q
t*c U { 'x ü E ..ON' : | 1 f y + _
(~ N H _ v , 9 o s ^ y Y]W n 7 _ W e ? @ f o W <]W
h p } 2 , [[X X + X X X X t , 4Msw _ B u 6 o V a]]
zj/s "u"m j K -!PXB %
K L eY 8
m `t N V {7o* @ * O g N Am %
K X @ a " Q , q B N * uWp M H Dr{ o B D -9P[B @ a }
w ; { Z ' @ m %
X B @ a (IX UN | F ` + w [O w ! N Am %
K X @ a " Q , q B N * uWp M H rn{ B D -9P[B @ a }
`9 a3 "u" () O j G N (r K (!ZVX B > MO 2 4e L !N V Aa " C
+ \$ E 7 f 2 ^ 4 = , zG k * " v i 7 ? i - % _9 H Jq C u 5 m)
) Q B | \$, * q . W Ç W ? NOO / , , e T n / | F b _ lnm \
h || } } T0 x rxx866v T % b E aeeE 7 [| iW0 w a | O
_ C8;66 O | 77n p 1 t ~ ? Q tv ~ -> } a) h u :;; x
-k2 L k T &BP e { c NCi;[3 ? ? U D D _ C JiQ T n ,
7 2b zs q | c `
3 = inf 8 J > s B & h & C2 = % OH ~ O x h L Vt
. . \$D ^ [8 "8 F = Y ! C M Ê | j . + F 8 @ y # dB < L h 4 } 7R]
t A z _ Bw c ~ faA ` s0 , n k S z } >
 \ < a f
& ` ty t : { A ' U4# v ' G O l3 7 q v o + WA @ t L TyTv n \ (8 @ X;3
5 # # + % B b & PE 4 [\$ R X Q Ir Ur , & o A 4Y ! j e4 / R
d t [\$ c q O O.F h | M N2 01 X K) CA C * r Y v UBN 2 S
t ? 4 zv ml kk \ < ` q { B 3 @ ` XT W ; : & = r : N | [y
X # Q y N I ; m N J y ja } Q
Ppd y H2 b & " 3g r @ _ : { K + C 8kc
 š \ N U < v #
~ X 4 % PT ` J ÷ wJ xw / W . A . Q 4 / m M | 2D3
PpdI N ' CCCN 3 ` x < m 1 n ! V s : = AR (" r e % .
 \ ! ne 5 le Y | Q } 5 9 ` : :: ; | L ! Z 6 ^ Lf V B p R | Q9
e b1 p _ LM = . | E @ qk [RKW v / (; ; r UE3 0 ? o f ` H < { ~ % f
 . > 0 Ec 4D3E c 0 3 P _ Y ? xP fr _ ' n N * G - > O E
 IV [2 (Nu m Z L + ER] h < @ ijK8# X e3 rl F / e % k = 4 t : K XI
) 6 V * C d _ 1 uvW + E S G z y P g N / r , _ O g |
S # R ? + 1 ! = by u W U " P H n fy SFJ , ? q { }) y \\\n
| * 8i { p " 6 hX) Ee Z ZH C Jk k ` z [n Sq T r Ot Ry " i k { x
] i ' N < + [=) * ; MWJ - G E = G + Wk 7o
6 / K r m | 2 " e \$; o q 8 P (q4 tL3 & F h 9 A 7 { w ! N n
b ~ f f 7 ~ n jw D " T . lt0 { / 0 j ; [k M
 - e ! " B E ! ,
 : \$ 4) 2 B o L X / L X & ` , rN-r " p / @ Q Z (sOB N { K 1 rv.
 (t R | _ / . b ; o L X / L X & ` , rN-r " p / @ Q Z (sOB N { K , \$
 ? j q m % b 7e _ : K _ E Z ((.ns
 Q rt | ! -
 ~ m Nvv { v } > Ns { R6 c O i = B Q ; B TF V k \ 404 { "%
 p t : = 2 { "% Cn ! XKH , ; k E qVe 1 & t ; ~ A D J
] J R z [q O { = k Eqa ZBb - ! (: l2 L8 t : % DeM M % n 2 R z
 uG Lb9 T * VWU g =) - [^ XY 8u / O , d 5 z | L50 /
 5 + Ko 9 K 5 | q O ~ 3 K O > ; 0 S ghcqB6 \$ O ^ z { ^ ' 0 064

°qMhA S J Je#[@>5*jww{PtvWn}/o
(dQTy?H4B MK!!H Z f kzc;Ô\$} -z\Y
FojnNI9>2oooC*Z= f F; ;>77}wwO f zz Y&&\$:L i?c
((Bn~v x Q2v) e khCH W 2a F SX^") s :
~== '\$VVUs HbT C I\$ < r m 0 t l 7 t u . ; l =
C Khd4 m ; @ G i . [~) 4 . M
vQ E U 8 a b "" i y T T > > > F H X e | v
O %NC 85 p @ p \ j o n ^ < x j @ . \$ j
K q c = & > U Z l o c < f k \$ 7 P & 3 _) H _ S z > 6 > =
O P R , Q 8 N D '
7 p Q U J 8 b q 4 H M j F B u [h B k * Z { [Z = 5 : W h | ^ t ;
+ W T , C K P n [Z W 4 + B 4 ! ! , b 4 : \ f n L H i R M I
U P e X i m n n 6 8 ~ ~ 2 g S x . d W B] & X ^ U Z h { f l a
V * p J v a Y q "] T * / a e % t 9 L + F e ; Q B ! B ! b ;
r / = A 5 j p ' b 6 y ? o 9 w 2 K z ~ ~ q } | I \$ - \ 4 / C
@ g R Y m
C U e k L i l : O ? N 2 A f
s E i z e ^ 5 s j ' g @ 7 E D Y g h l ; 4 _ y - 9 5 c F 3 " V
S / ~ p m [q O U { \ x q y y o l \$ m p k x ~ j o w o W J =
{ ^ k E 0 c & 6 . e v ' / " 9 ~ = t Y g K z Y F 1 V
| = W Z z | P 1 + M '] i n ' z ^ Z 9 _ # z w L A A m J I v
s q : < 2 u K k t w m 6 r 4 P (S u g < ' , s S s 3 6 T : y { / , Z N
] ^ d X * ^ } h Z m 6 r 4 - 2 + 6 ? a - 4 p y & P ' X y f v . / c
R a a n _ - - ^ _ F B G L & w : Q \$. _) O z w o k B 4)
B B b ! & s v g 8 d g z g z } ~ , 3 } T }
z G { w { L W n Z ^ d = ? B \ g O / ^ _ z } g } ;
Q Y = X T N g) u s _ { } / F u { p W : \$ " 5 O v < _ N M 9 * 5
4 Y (H \$ n R | 5 5 5 [[F U * n / H | > B 0 L ~ J % * 4 M ' ! 6 ((%
N & 5 ? . ; v , > | [w B & | ^ F * & H Y] U ^ p C | u t G R , ' { &
z | q X G _ g p p P * Z \ . w p p V G G G / N ~ H d n w S S X , < x b
b x x
A Û k k k A o 1 q s P P Z 2 9 L H & _ r ; ' y o d A * U m . ? o x
Z c 0 F H e , 0 x 1 B S W r \ 2 D L & F d *
B v 8 H ((? D " ? V V V : G A C J U W W g X 6 & g x
| J Q E 7 6 o N ` m = & > m o O K / G A K K x \$ 0 Y B 0 s z
J l f t 0 y & 0 K
) _ f _ v ` O (| x * ~ 1 # \$ r A 0 \ a ^ o a a e I L N
G A _ q r = x t " & T d D 3 9 # : 2 l ~ T
2 / x C J , Z { i A _ D w 6 8 > b Y 3 ?
< d G J _ k \ % 1 ` 0 W ; [~ : B b Y L Q [R u a = E "
5 ((s s s i T * U 4 - B ` M , _ 6 c 6 E & Y o < { d y 8 2 : Y R
e D y 5 ! _ H e z 7 d r = 9 ? E A = / g { > o k l @ P _ z \ ! L r
l v 8 < x > } | l m / j b D N J R s s s % % 8 ' & & i v v y h h # i i i
d 2 4 M ä } > : n c } 6 b h h (H O b) -- z L (3 # 3 J] V V V W
E) ` # !) Q t Z A) i f _ 6 N 5 @ R a / , D i P n s) ` # !) Q
x e K 4 f c | / ' 4 d o r m ^
n Y) ` # !) Q t Z E] p K 5 S \ O ! = u r } _ l s L) T F \ e
x . w \ - T j K @ j X , # o u + M) & \ . 4 h l l 4 m r r r u S B I S S
s o o 8 f S k L 6 Y N 5 Q P b w w O f } v (b i - / \ V W 5 # a q
} Z > | z ~ / U v f V # * { & t 7 6 w > U (< \
7 - p I P 3 g e F V v g k / ? (# _ P i l 5 6 Q 9
h d u D 2 O U r D R H 4 d E C : = c # J A W * K ! 0 9 f B d 8 _ \$ N E ` # 9 Y
B c c c , S D ! e 2 ; ; S V (I M M ~ P H f 8 A Z Z Z n 7 ((B H L W 9 Y
8 y p 8 B [[n z % * x J x < H H e , \$ " L ? \ . (H 2 Q \ s r M
V \$ 5 B / > ; 5 z _ (? o U ^ Y O ! 7 6 ! 7 E (: L j M ~ d \$
0 o x v l x * 0 S p i h
F M w } 7 M ~ ! w ~ z \ / _ o q \ r w Y X X y V
5 m B C ^ Z b
` R z ! A R p 6 M 4 ? x y I F 2 u Z 6 6

```
988x}|||p}}ii~|||$O|F|||C|||y~|||+|.\\|||=>^j]|||zy|||U|||pvxtt|||G|||{|||K  
#M4|uj|4|q| Q+|||||W||||B||7||||}|_____|O>|x||eQz||0||IHJT&||||  
#M4|uj|4|q| 9|F|O|C|XX|>_(~|s+|||O+|||||7&|||||/||||L|||$$%*||Nk|||||  
>|||||/z{|||n|-o|||N|R|a|,||$z|||||7WWW|||©S|N|<|||||o|V| ||||~}|V.|||İ?|||o|0v|F|||  
|||1)d||N||w|||||3O|N}|||/zDo||||~*||}|w|||||ut|||w||||h$5||k|||||8|y|||  
bW<||;||9|d|{|RF|Y^p|/)||||v|||||B||5|||||Ç|||||utt||||IV||+||J2||||RI?...F||||A|||  
X,J|||[||>|n?|||^|||>|||d2|||5|||u||d?l6|||s|z|||||?||}|||V|||||_|||||i|P,v|||e|||  
X,f2|||||N|joo|z|j|Z|||||t|||3SSSW|\.,|J||\u[|||az|ww|||||'|||||<6|||||]  
l|J|||||dryZ&||IC!QiwZ|||||1|||t6O||||m($)*||Nk|||||:0|"||||h|||||  
|||U||R||||?|-||||>||||`z||EW||'|o|||h||T||~||`||b~m||||2T||S||/||#>||6|||||;  
||Dr|x;||es||>m||6  
||3||||a||||W||S|P(v||i,||||)|L|E|X|||||;|||||r||Y||:||||6tL||n|||||e|||  
|||h|f|K|$|||j||||3g|||r|\||'|J|\||W|||||nUU|G||H$h|||O||>||||4|||=||X*||9||||r:  
j||-||1||%|bCC|||{|||)>44|||3|K||q||j|||h||pP|||||w|||||r(|||||R|T,|||y|f>|||fA||n||||tt:  
|||4d$3||j|||||(|||||\@CF2S|u|||||Z|||||j||2|||k||||BD|e|hc3W||||Tv]k||||| | | | | | | | | | |
||#|||z|||s|||h|P;|||'4|||j.|9|||O&||;|||j5|||||s|||C|||jXX|NX[[|||||9|Ç||s|||||?~|s|||  
|||?|||||I6||)R||s|||7666|||v|||||fff|v|||||)|Je|||||H|||||ww_||||{{zzzx8|||\reii|||  
|||'||||||U|||9|||~1ER|L|||||?|||h||j|||||z|||||X,6|||9|||~1ER|L|||||  
|||l|||||0|||"1^Z|||||@|||4*k=|||||,'||Eb|.||NK|||*4$iT|zZ|||||X|||||:-|||  
||||| ||  
||{{{||||D||.||k~~||h ||H|||||*P|^*P|||||4|eD|||{||QA|||O|('R||9F||/||)|||||W*|||||\luw|||  
|||\v|||||OK$||:||1|||||Q||Vw|||\||}|||||_|||/|||]|||y3GZ||9||J||~.|||  
||e4$iT|zZ|||||X|||||-$-)||,|||\||||D"|||||$Immm~||_||4#||  
||||| |||||/|||||v||||)|)  
F @ `V|||||E||Q4|||||l||||z|||(||||(||||3B||Q|to|X|)||q||)||p.|||||jC|V||9||||&|u|c|||||  
|||||i||8||'|||||+||}||||K||L||j||9||v[|||||l||||ZY;p|mqq|Z|||>Zq||7|||\|||[||/~lr|Yn|y|Y|||\|||||s|||  
||L&|||s|||.||b|||Y[||||M$|||||X,v|||||6mn|Olkk|||v|||_-|||tZ|||||8|||::|\|||||5|||  
Z||| @CR|2|||||AD||zd|ky|||||l||||| ||1L|qaC|||||hHjTF|||||!!||aZ||M-|||||!||Q|||  
endstream||endobj||23 0 obj|<  
>stream||  
|||||Adobe|d|||||
```

0x4Pip|FuuPPN|h&SjQRrtl==m1~Cios6^YQr#K:
S:-G||NNj]cJGWwNbme>WbkSC[T`C Uu::0ZM:
n++++\$]FFYJD&OW""e6ftj9V&Hqtk:&i*z9j3Aoi4{n7:g cwo
1qu/VLDa**vXLL{ccWWw{9Yy4FQeeOX<cbbjU Z:B2nnKKnn
1w((|||||Y6??!)====]=ULhhiiWB1:XJJ:"||Ji+8_<F&<E:{
xx9||||| |:UJ++zo:F6?"NccccCW3W, :642u2+K Jqm?~'/'
U)98rrPN+fVW)qq6?!tfffff\$Xrs P %R1ooaz
2uu(bh≠|=)B=Vvwv\Zc s s)FT239hhagaw7==m1~FG
lRNT\$wvvMMww=====XEb)8zzgzZ+WkP8\\
M I6?!!LWF(D)k}VVJdkoS w#V}Z
uu|6?!-OSt_oT_`ii,,%eeeiO6p\jM
9Tn\$ijz*:Fn6iiosL{(})^D6h|%J5(b\$QSrlfvf
7Q5<U){M>H)}nBBZPG*zo)gy!U+fSWiB#[EEUI PQN97R
o-*NNF#ny/U M1ySF:1uBSqje%y3/K%) [e9pz:T eRV]. xOO:uc y'
;. .6B<HzRCow([Y\$E)) E5NY: F2 ZizYU > {St}] UU''E
 V] MM[6-Rr@ b Oit z
 QWO-iivuuJC) W-p_" /W8gu Y2J1r Y G b> v8 q R
 l5} #F iim ||_#t7S 5mT'Q^<IJ< = X jbvU \$)A
 ,,\$EF ii rD4j WK 6]*8xl%' o]ttTp[G +;
 ch wU%oqv ipri:c?Zr]/jq f24 no+ {RA[b ag*V
 w E4>tUUU % {o}7 |l:v ee Kve F 98 WO ob4&m
 5cs g# f+/WH9 &/8 ws ii S Z J#w RhP'S
 vv QQc45 uGRw:[,b3\$ uu Q[W ? aW{k @ } _p_j3:
 Z#* _j3 W ~La2 /Æg d R \ S RnR') ^R &= ih
 l[` P U T v KC qW %% i \\ :2 ^ u{M][X
 Y @ :: ''NS ooQ ++h
 5gr ?G4mg WE sf h *f v _ _ {^
 TF TQTQyc})(nNKsK K`
 # (o [[{/v | D _ J Y^Mf][, Y]uK tt yM 8 uM^ dd v fi N 0y
 1Mu 97 \$ p t \$ v Ko
 t _ . 1 X -!V(c) *1 e Z5 X R k 2
 BcRRHUcx@)
 kkH!V(c)**1 e Z5 X R k 2
 BcRRHUcx@)
 kkH!V(c)**1 e Z5 X R k 2
 BcRRHUcx@)
 kkH!V(c)**1 e Z5 X R k 2
 BcRRHUcx@)
 kkH!V(c)**1 e Z5 X R k 2
 BcRRHUcx@)
 kkH!V(c)**1 e Z5 X R k 2
 BcRRHUcx@)

███k███H███!V███c)███*███1███e███Z███5███X███R███k███2███
B███c███R███HU███cX███@)
███k███H███!V███c)███*███1███e███Z███5███j███j███k███M███d███T███M███?███tn███>███/~███,███7███j███M███:███Vi███z███W███J)!'███
C███c███|███SX███1███n███.NOV███V1███V{███X███3███W███Nh███NR███+?███O3███v███%███I███.███Hv███j███c███[███D███
███k███H███!V███c)███*███1███e███Z███5███X███R███k███2███
B███c███R███HU███cX███@)
███k███H███!V███c)███*███1███e███Z███5███X███R███k███2███
B███c███R███HU███cX███@)
███k███H███!V███c)███*███1███e███Z███5███X███R███?███f███Gh███8███*RWm███[^███Q███_███Nh███
0███sF███F███4a███~yy███h███3███(███?███/1███~███^f███|███9███0███?<███4a███~yy███a███
0███sF███F███4a███~yy███h███3███(███?███/1███~███^f███|███9███0███?<███4a███~yy███a███
0███sF███F███4a███~yy███h███3███(███?███/1███~███^f███|███9███0███?<███4a███~yy███a███
0███sF███F███4a███~yy███h███3███(███?███/1███~███^f███|███9███0███?<███4a███~yy███a███
0███sF███F███4a███~yy███h███3███(███?███/1███~███^f███|███9███0███?<███4a███~yy███a███
0███sF███F███4a███~yy███h███3███(███?███/1███~███^f███|███9███0███?<███4a███~yy███a███
0███sF███F███4a███~yy███h███3███(███?███/1███~███^f███|███9███0███?<███4a███~yy███a███
0███sF███F███4a███~yy███h███3███(███?███/1███~███^f███|███9███0███?<███>███o███+███
███oJQNR███&v███Z███F*1███VI6███0███Gj███!███i███%███v███[███?███/1███~███^g███z███8███T███B███T███t███&███74a███~yy███
███.f███3a███_███^fh███/███/1███~███i███?███K███s6███f███0███R███~)███y███.f███3a███_███^fh███
███.███n███0!███1███)VZ███rq███-?JNN.NrV███m███N███FjY███s███"#███T███S███e███_███c███me███*███m███R███:███D███C███U███S███
███R███N███Z███^███~*███HN.4███Q███_C███*███z███Y███Z███}███j███+███/G███J███W7███N███Z███V███J███r███
███pi███7███r███y███WX███M███w███G;███}███|███U4███~███,4hfr███z███f)███_7███_P███
#<███=!-*uiQU███QJuU███2███z███Kz███?███5███^███*███Qq███Nq███J███Lrz███M███Jr███9███ou███z███_███**███r███
███,███;███.███b███]███r███|███JQ███NQR███\███h███qn███[███/
███Z███p███-m███EJ███7███N███:███(B███5Z███3███d███f███Dc███R███.███M███c███Z███
███V[███Z7███q███\███wS███K███.p███zu███Z███j███N███a)Fq███g███,d███I███}███5███wN███=███J███
K<]5(███V███Y███h:2███i███
███F███NJY███n███E███<███+GU███U███%███\$███[███\███cp███,███4███FPy███'███I███+███&███N███H███
{f███_███V███v███v███Nzc███(4███IO███O███V███n███M?)███?███4███s███K███Zt███v███.███EHt███?███8███J███?
███MP███d███A███Z>███)███A███-███5███R███'███u███Rn{███(███x███1███IU███c███)*███
███%███\&███\███.J1███V███v███[{███27███5=███d███p███7███|███y███I<███M███.███e███*███[███G{io}███*███^███g███y███K███B███N2███
r███F███Y███f███,███<███W███4o███e███N███s███I███t███j███/:mY███#███Uy███\███]███*███I███?g███{███[███
q███c███!███8gm███r███'███%███O███8███Z███|███9a███E███(███zP███}███0███8███x███d███u███&███?███I███f███h███&y███W███
███S███r███t███<███[███]███1███J9███?███3███Jk-gNji███-t███>███r███A███'███|███[███E███E███\$███%███7███RQ███
u███_███R███[███<███zR███[███~Qa█5███Q███+███%███w███G███J███ifQS███7███"███V███3███R███h███
q███*███q███-███z███-███o███D███&X];███:███3███SV███k███{███%i███
███Y███Y███b███?███5q███(███'███(███n███RQj███Oy███G███u███J███!N███
███I(███.███Yz3XFF███zC███N1███[███o███[███:x███F███(███W███(███+o███d███HrWl███
███bl███Q███]███2j9███_Dw███I4V███JX███Sr███I███w███`███zd███e███il███Q███y███MB███s███T███ZG███C+███
1███N;2███(███t███g███o███MYn~███3███_wN███m=███UaZ███vO2[███y███i███uZ4███o███W~8███c███>L███a███
███:5███HOc███p███b███A███t,███y███Ej███
███]███%N███=███7███,T███J███d███}███}███~███1███#███7███/███&X███m=███y5███K;j*0███F███W{███>███I███(███-m███J███
███\M:u#R.5U███O███B███i███w███q███\███:███(Nt5███g███.3rm███Ž███qi███tuW███W███
███#F███k███[K<███ME███?jOu███4o███~███A███>███f███Xm███38k#███&███!███C███8███~.5eE███s███J9!███K#███\███^███d███
z>███>███)?███)███pPp███1███j2i);&███ME7███f███9W███j8x99J███qpR███J███(███K███}███ij███Z███JtiZ███J7███W\$███+███w███
███MQ███\$███ST███d███A███Z>███)███s███'Ya███X███M?███Y███F███O███<o███O███<o███Y███bx!███~███bx!███~███*███>███
███C███C███UU███s)███
███V@1███x███5███x███
███C███C███U███}f███7███f███7███8███b███A███
S███|███p███e███Y███Y███O███<o███O███<o███Y███bx!███~███bx!███~███*███>███V@1███
███5███-███Htq███p███Y███O███<o███O███<o███Y███bx!███~███bx!███~███*███>███V@1███
███E███3███f███7███n███!███~███*███>███V@1███x███5███x███
███C███C███U███}f███7███f███7███c███1<███pk1<███p███d███Y███Y███
███C███C███U███}f███7███f███7███c███1<███pk1<███p███d███Y███Y███O███<o███O███
███*?s_███:███O███
███W███b███{███Z███O███<o███Y███bx!███~███bx!███~███*███>███V@1███x███
███C███C███U███X███~███o███Y███)███Hx███
███C███C███U███}f███7███f███7███c███1<███pk1<███p███d███Y███Y███O███<o███O███
███C███C███U███}f███7███f███7███A███>1███1<███p███iw9W███O\$z███j███

#####T■G■1#####?#####T■G■1■A■jQvj#####@Sqs#####/#####^#####T#####|■x#####~#####G#####Q#####6z■Q■
=#####W■>#####/#####\■g#####W■>#####n.y#####g#####G■<#####G#####|■x#####~#####
=#####W■>#####/#####\■g#####W■>#####n.y#####g#####G■<#####G#####|■x#####~#####
■<#####,■W■cd#####R■C■P`NUUzn■v#####7}■Z#####N■4■|■6#####~#####Dq#####N5k#J■8#####Z#####)l#####K.■4■5■
#####jj#####7(■c#####V■k#####l4■S#####m■O■RT■%Mbb#####N.■VV■P■li|\$*#####9#####9■f#####L4■
#####joW#####(■>#####h
■o#####0■&■Zo#####SWO]u#####^■J#####}#####!Z#####zR■LU
p#####*■gh■J2v■{#####\$#####*■*■S#####r^■{#####s■J#####*■6#####Z#####J#Z'EV■l=#####<F■rK,■O■_3#####
■1■}5#####j■{■F■j■z#####Z■9■NRQ#####jY■+■w#####K■c6■,i
#SR#####2■\#####t■>#####JP■]MM\#####6Y■U■5#####]b■sLwkQ#####W[#####5#####]*■V#####Ti■P#####i■|\$■+■/k■+#####
ck#####X■u9-VT#####(■bjUo~■(■w■(|#####J
Q■B■+#####_■0■;#####n■f6#####|■<#####;Fs#####|■"■(4L#####Q#####jPv#####6#####tNd#####|■s&#####~e#####4
■/#####ue#####m■*qj■nQ#####/#####H_&■|#####=fl#####X■&#####t!■rR■^#####wt#####i■\p#####|[*]3■d#####7
Y#####f■G■+■x8■j:-■Jt#####jA]#####^■>■a■
l#####i#####V■(S■j|■+■_■{#####S■@■#####T#####P■+■]■@c■[l=)#####)■3■e■
#####O]ZM#####r#####GF■T■B■#####zoC■o■Wl#####,<■i■JrKs■}7}).■m>■k■
9n■w#####oW#####H■R■"■"■}■U/#####=T#####5■=T#####[H■R■ 6#####H■R■!m#■K#####_m#■K■U/#####U/#####
■hW#####f■SW[#####=######■=1■J■Y■Tt#####7■vo#####k#####)■c■RR■9■z■M#####n#####6■w■k#####H
Q#####.■s#####*■Zuj■Kh■Zu#####SP{■kt#####j■")■8U■x#####Nnn#####R#####Uv■M<■)#####)■Q
C#####S#####O■~:#####Hcs>#####{Û#####S■2@)■no#####?■Oxs>#####{■H■)■no#####?■Oxs>#####{■c(■v#####&■-
#####H#####,<■+e#####oU#####F@■P#####O■b?■o#####1■7■s#####`#####42z2lt<■)■A■
■J■uU7■r#####/k#####k■rGKï4hJ■8#####Z3#####Z■K5■R■W2■%1■Z#####K■K#####_42z2lt<■)■A■
#####`#####
#####*■q#####iz#####S#####&■v#####7#####NJ#####p6#####i■`#####9'#####?■x)#####
■j■R#####m#####h4###########`#####0#####`#####
■V#####ko#####'■r■L■c■)M[+r■V■eiv#####|■Jq#####J■M#####7■X#####Y-I"■X■P■R~#####[■
#####?■||=#####x■_#####.■{■i#####*#####L■N]#####?■||=■U|6#####.■{#####m3■9w#####L■N]#####
#####?■||=#####xP#####m3■9w#####L■N]#####
#####?■||=#####xP#####m3■9w#####L■N]#####
#####?■||=#####xP#####m3■9w#####L■N]#####
#####?■||=#####xP#####m3■9w#####L■N]#####
#####?■||=#####xP#####m3■9w#####L■N]#####
#####0#####5Q#####F■q#####M#####1#####?#####`#####
■XF■F■8■r#####w{■i■\$#####gN■n■T\■|■y#####e■w■W#####j#####F■W#####S3i#####/-#####-#####O■J5iJ2l#####
#####XR■BZ■%■:y■j#####,[#####!!(#####hG\$~#####2#####)■N■b■*■pQ#####Ys;#####
/■/#####>C#####(1■,■Q#####(1#####G■`#####G■,■_■?■|#####_■,■_■?■|■9b■Q■c■X#####9b■Q■c■9#####"■
■_■,■_■<■9b■U■a■X#####!■X■~■y#####E■r#####s/■_■E■*Q#####*■0#####W■`
■_■,■_■<■9b■U■a■X#####!■X■~■y#####E■r#####s/■_■E■*Q#####*■0#####W■`
■{V■LD■T■f#####2G#####
endstream■endobj■25 0 obj■<
>stream■
H■Wk#####_■O■uQ■"■.#####H#####m#####-6#####l■Nly#####z#####\$■_■k■"■Ûs■/■E■|#####Q/^■.■X■Ju3#####
M#####6■u#####nr3■,*■PM■g#####6jZ#####v■>#####\$■hz■{■O#####-■=■z~■c#####Tgj■^y#####
L#####;t#####7#####l#####J!#####B#####O#####-■,■.■1#####j#####1L■.■q■OpG/4#####F■L■x#####/■
#####g■e■r■;■J>■z#####S■b■5#####|#####c:N■;■+h#####]C■[#####3wz#####=R■LG■{■-#####\$7\$
■%#####_■ 5■i`zWl*b■;HCow{p#####/v+/G■m<■x■=#####b#####@■Q;■h■@Gd■&■)#####s
i■=■P#####S#####]#####A#####]■X■,■:■,■D■C~#####7#####*#####1#####%2■bLeN■#####p\#####
■O#####\■-#####JA■w■1■q■~#####%#####]T#####i#####{#####"6>N1M■dl#####T/■9■r!#####-■6■7#####|#■J\$C#####X#####
#####VG#####b#####a#####D■8:■c#####tx■+■[t#####0a■.LP]■L■s■QD?■~#####(■[#####
■U#####|■m{M#####L3■6■v■3C#####;Z<9#####G#####s■\d{■@#####X■N■s#####,<■+■a#####
EF#####<■Sj■=■k#####G■f■######v>■]#####:■p#####th■@■C■C■F■<■o#####Md#####+#####}#####N■|#####P■
1■|p■}#####9#####+=/#####f■/#####)#####iJ■
4■q■_#####d#####x■U■"■}R■a#####n{w#####KSJk■BI■Z■p}nj#####97%:=■||2{#####=■nj{#####2lC■dFG■xD#####
endstream■endobj■26 0 obj■<
>/Filter/FlateDecode/Height 802/Length 73553/Name/X/Subtype/Image/Type/XObject/Width 1881>>stream■
H#####k#####?"[#####z■{#####t■.■E:\■ t■:■:■t■
■B#####P\#####A■A■B,■J■(#####t■\$■W■z■U#####E#####9■y#####-#####
#p■&#####P#####%■.#####K■Y■2■:zD9y■QG■'■'■Z■g■z"■b■c/■(#####b2■J[#####U#####
#p■&#####P#####V#####;■CV■y■t■S■6+!W■:#####|■n■V#####&■uhfTφ■=#####K■,#####Uo#####?■

■f■■■■?■■■■J■j?■■■■x■■■■■^zo■■■■■n■?■■■■■MY*■."■■■e~■r■f■■■■;B■9■■■2,Y■■■m{7■■■
|■■■■■8gf■■■j■■■■■~3■■■r■■■eX■f■k■v3■!■■■p■■■m■z?■]■■■■■2K%■EDU■■■^■■■L■■■
■■■■BN■_■}■■■2,Y■■■j\\■■■■■,!■■■■■/■i[■■■■■wEc■■■■0■,\\■■■U■2?x9_3■■■■■3■■■■■;■■■
■■■■X■^t■■■yffF■F■ ■~■|ZXX■■■{tt\$zS"■u)H.■■■■■VVV■■■#■x0
^Q■■■■■D"■6■■■■■_■~utt@?■]■{■■■■■w!■9■d■■■■<■(■■■■■f■■■■■c-■■■■i■■w
Fuvv■■■v■g■!■■■'■■■■■3■■■C■
+■■■g■T■P[■■■0■■■5Lff&|■■■|Zd~■~■■■■■K■
■■■_h■■■■■`■F"■■■_c■>■■■j-■■■(■Hb]
■■■■■\$■■■S4\$■Q■■■Q■■■■■!■■■|■■■i■7■4\$■/!"
A■■■■=■p■e■■■g■■■>~■■■■■z■■■`■\$■E■y■■■9■■■3bA■■■_■~■■■■_■■W■^ah-■■■■AH■■■@■+((■■■■■
■■■C■■■^■■■■■?88■■■■■/■■■0b■■■H\$■■■■■S■■■u■O8IE■■■b■■■■■?■■■■■]■gcc■■■■■Y■■■■■
■■■■■
■■■■■N■■■)]Hb]
■
■■■!■B■■■■■||■■■m■@x■9■[6■%4■q#■■■■■8
uD■■■N0th3■P■■■■■(l■■■8■■■■■:R|AA■■■■■`■■■)z■■■■■h■h■J■s■■■n^■■■
■■■y)■■■Z■rCC■\$■■■Y■■■N■■■■■d■■■■<■(
■M■■■':■■■(lge■■■Wp■:■■■!%e:GU@a■z■■■l■ez■■■{■■■O■c■■■3■■■vt[■■■y■■■KF■■■■■,//■F■f■d■h-■!n■00
■■■■■E■■■■■l■■■tww■T■D"■ ■nv■X*;;{aa■■■2■■■■■M■■■9■■■C■■■)(..F■■■yr■:■E3■Y■^=■h■■■FzJN3%■■■
SLBMK■
■■■■■E■B)■U■K■K■■■■■c■■■t■■■
}■■■H\$R\\<55■2■■■■■=■■■■■^■reqq■■■V■■■■■r■■■(,■{■■■■■q■■■■!■|■■■O■■■LLL■w■■■
■|■■■,■■■■■u#tz■■■■■4■■■!K■■■n|■■■■■`■■■o"■O■H■■■N■+■■■!6■■■.■F■■■■■m\\■|■O■s■■■■■(■
■■■YjF■G■w■v■■■■/■■■O■■■ogg■j!■Y■Y■■■■■M■■■=■Yjk■■■
■■■N(■■■■■6dl■■■■■8Ex■@B^t■p■\Q■la■■■a■h■■■■■uk■■■S■■■OH
Y■■■■■|■022RWW■:P■\$■■■#■B■■■■■mmmV/■6■■■■■1■■■■■G■■■#■B■■■R■■■■■6■■■.■F■■■
t■p■\Q■UU■&■■■h■■■■■n■■■}■■■"■■■I!■■■~■@H?"■■■u■■■H<B■■■!2■■■]7■,W■EU■■■n0t■0Z4■dg■H■\■C
YG■■■#■B■■■■■#■@■■■!■■■■■d■■■(■■■Mp■■■K■■■1';■■■Vr■■■S■■■OH
YG■■■#■B■■■■■#■@■■■!■■■■■d■■■(■■■Mp■■■K■■■1';■■■w\\OqB■><!)d■!■■■■■G■■■■■G■■■#
■■■[L9]■{■■■BpA■■■_■■■[■■■L■■■.8■■■■■F■m%q■■■■■A■e■■■:s■■■Gc_b■5■,■■■■■1■|■■■OD)■■■^■■■
■F■o■■■'■■■■■B!■■■qWY■■■!■■■■■C{■■■}■■■■■Xo[■js8■■■]t<■■■zY■■■.■[p■■■■■
■■■LkyW■-■■■n■■■G#■■■■■s■■■■■!■■■BF,■■■q■■■BH:■■■~■■■■■k■1f■■■■■p■■■x"J)■■■■■\\■■■N■■■
■&■■■S■y■V■■■8■■■■■S■■■2N■■■a■d*!■■■B■■■w■5■■■B■laR■o■j■■■Cd_b■5■,■■■■■1■|■■■OD)■■■^■■■
■&■■■S■y■X■0■■■■■c■■■_■■■"L%■■■B■■■■■B!■■■L*■mQ■■■3x@■K■■■■■z■■■V■■■1F■■■(■■■■■tpy■R■■■
■■■#p?■■■hR■4\$■■■■■5|■■■■■{l^■H■■■/■■■c■■■mk[m■■■y■■■'■■■Z/■■■■■%■■■■■)■■■^lk■■■C■■■1■■■/
■■■]■s■■■{■■■v■■■5■■■~!■■■k■1f■■■■■p■■■x"J)■■■■■^■Z■■■■■O■■■Z■■■8■■■S■■■2NN■~■M■■■H■E■■■
F"■■■:■b&■(■■■!■■■"AT■pw■X8■7a■■■rC■■■■!■■■*K■■■@■2.■■■LtD*C\$,■■■NJv■■■;■■■!=■■■ve■
■■■■■8)■IJ■■■0.z■■■|■■■<■@2X'■\$~1G■■■■■MF■8■ï■Q■■■■■s■■■o■■■R■■■Ui■■■■]■■■d.■■■■■{9■■■
■■■■■jJ>■■■D_■C■■■■■kbe■`■■■K■■■■■3■-Q■{+p■■■■■A■%sz■9■■■\$■W■■■IC■■■2■■■#■■■<■■■
■F■■■6^■h■■■[p■-■ ■^5H■j■■■■■z■rS■■■.;■■■r"*■■■rJBHVh'■■■■■@A.U■zX■■■J■■■■■9gTY■■■K■■■■■F■■■PD
■■■-■■■G■p9■■■y■■■v■■■<(■■■■■_■^cw■■■K■■■■■|■■■?G■:Ae■■■(O■■■.■■■■■Z■■■Q■■■■■u■2■■■■■
■F■o■■■'■
/■2■■■B■■■■■xyyy■■■w■■■■■ZE■5■w■5■■■■■~M"■N■T■■■Z■d■■■Xk■■■?■e■■■7■EQ■■■D■J■ ■■■■
■■■■■)■■■JR■■■■■c|■■■O8■1E■n■j■■■[■]p-■(■■■■■dzd■b■~■m&"1E■■■m■u7■;■■■#■■■zx■1■■■H■BAE■■■
-R■PP%■■■■■.Z■■■t■■■■■'s■■■n7U5■b■■■.■■■f■RZ■rD■2=■■■J1R■■■6■■■"■■■6■■■yx■■■■■Ã■■■,E■■■
"■Ph■2■■■■■■E■Ft■■■■■'8G?■3■u■■■■■nmw■■■0■■■Z■#2■■■V■■■}■■■■■f■i■■■■■D■e)R■PP
l■LC*#■■■X%■■■Q9■■■t((■■■hdY■■■c■■■p■■■h■■■x■L■H■■■■q]■■■■■,■■■a■■■y■i■8■■■8■B■■■NX■x■■■ZE
l■LC*#■■■X%■■■Q9■■■t((■■■hdY■■■c■■■p■■■h■■■x■L■H■■■■q]■■■■■,■■■a■■■y■i■8■■■8■B■1j<■■■a'■■■■■>■■■
■Fj<■k■■■■■z■|■■■=■■■W■■■)Y■■■■■N■■■■■TF■F!■■■iHe■a■■■.1■1y■■■■■vxt■■■■■i■■■e■■■■■T■■■q■■■■■
■■■■■-z■■■/■|■<■■■Ppa■■■■■:1■■■a■rV■■■B■■■■■4■■■■■;■■■onΦSL■■■g■■■■■'p■■■o■<S■4■■■,■ccy
■Fj<8H■"■!o■1■h■■■'■\■B■■■c■■■@9■■■p+■s■de■1■L■>■■■+■N■■■_C■■■■■@*■■■■■*■■■\$■■■
■d■■■■■*■■■}■■■tV■■■■■M■g■■■l8■■■K■OO■■■■'■■■/■■■t0x■■■\■■■■■e■■■N■■■06■■■y■■■x!■■■\)■■■(■9■q
<■&J■Ns■■■u■nd■■■j■■■■■%■■■Pp4■
■■■?■■■9!■-A■■■■■5■■■/ONN■■■Fd■V■■■■■,■■■■■d■|■vr-u■■■■>■■■\$■■■.>|■■■w■■■}■■■
■■■5■■■■■ZHe5■■■j■■■■■J■8■X■■■■■n'\$■■■:■vno■■■■■M■■■r■■■■■k■■■<■■■j■■■■■d■|■vr■%f48xE
X■*nc■■■Y3■4■1■■■%■■■j~■■■x■z■■■■■wm-■■■:■■■K■■■■■^4E'Q■3■;+■■■■■j■xM■■■■■
R■■■_d■s■■■W■G■■■\$Vy4*■B■■■E#■■■,■ccy■■■■■iA■■■8■■■v#■■■eV■<■■■?■6-■■■■■T(7R
■qV■kt#■9cL^5■■■u?■pk■■■■■L■■■■■1■Q■"■■■■■n■■■G2■■■■■CJ■■■J■■■CK■■■T■W#■|■"■■■
■■■■■|■g■F7■3■■■U■jY■■■■■Z■Pji■■■■t■j■■■■■3■■■)■■■M■■■■■o■■■0■■■CJ■■■J■■■CK■■■■■

>■j\■q■c■Y■[■p-L(■d■g■)■i■Mw#■<■l=<■RR■T"■ZR■"■X■z
■@7■3■U■jY■9■mg■D)■.■d■=■-IF■s■D■Hk■6■^■Y■.■n■9g■f■OsX■Rjk]■
■W%#■c■C1b■
■2■ef■Z■j■nLn■1■B=■_■y■B1^■k■o■f[O_■|y■d6■O■d■pbL■p(F■8Z■S■@■LU■
<■3b8■8■#■)■Xf■U■a■H■/■<m■?■5■7■[■q&■1■S■V■
■2■ef■Z■j■nL■1■v■/■r■s^■xS■5■z■)■1r■0e■F■S■P,3S■W■tcr■q■
■2■ef■Z■j■nL■1■v■/■r■s^■xS■5■z:■(■l■y■d■2■P■p■b■V■m■{h■Æ■w&■
■2■ef■Z■j■nL■1■v■/■r■s^■xS■5■z■)■1r■0e■F■S■P,3S■W■tcr■q■
<■3b■da■94■!G■)■Xf■U■a■H■/■<m■?■5■7■[■R■#■SF■a■9:■N■
j■_■*■R■|■J■f■G■D■J■
■|>O■T*■v■Y■5&■|■&■8■K■A■
-&■w■n■.?■z0■t8■DQd■X■|■x■L&C]■n■::■m■Z■
■?■_■=ztii`■O■o■t■}g■*w■J■w■Hs■m9=5■
■S■?W■7■K■g■3■K■RTu,■>44T[[■w■C_■D"■g■B■d>■+H&■~■?
R■g■Y■s■+lr/{5■Y■-■Wo■4■i■9Ev■K■)H■i■-■3"■Y■D{■_■Oidi■O_■2■Z■
■j■T■<■RK■4■?■Y■X■i■fS{SK■r6■,■\$■vx■)■V■PXuM■\$■)■J%■
■d=■B■#■h■y■v■|t■f■c=c{■G■cW■m■b■@■C■s■g■
■TP■~B■^■G■H■(w■A.■|x0■Y■
■E■o■D9i■V■\■OOJ■P■T■Z■
■)■J■r■C■8x■J8G|λ■(■ccc■X■\,;88■v{MM■*\$■d■h4■"■s■V■k■UT■
■d■h4■p■y■g`1■9::ZVV■)/>■a■\$}}_■(
■T■b/■3■b■/■H\$Z■v■6000■LO■0■%■etww■.,@■P(■P(■{d■
η■G■n■?<■y■y■o]]■B■D■<■i■]]■7!~■#■OI■H9■+2■g■|■
■"■o■bv■HJc■s■8■V)■2■64■o■JK*■Q■P■r■w■2U■pQE■-,■8■
;■Nd,■d■_■^■,B■uuu■\$■ryy■p8pl0■E■euu■O■A`■
■:=■L■fO■j■8■IGUdYvH■LO(■+■d"O■\$u:■Z■j(■Lw■&■K■h■~W,--A~J■
■2■@■p■.--b`0(■B{■u■H\$fi~~^*b[[[■F!]ggg■A@<■c■T■
■wj■f■=■N■
■0■C"■`zB■8■\■z■X■z■MMM+++■/■x<n6■F■g■A■5{■
■};c■7o...J■V■v■{{{kkkz■V■b■R■|■px8■H■
■';■_A■A■A■A■A■B!■aYvH■LO(■\$■^\\TTd■X■>~■J■B■x<■t■
■*■|■~■J■1■K■.mll■
■t:■w■pK■R[[■8■k■N■1■RI■N>■zlo■
■J■X,f6■F■|zJ(■t6■m■S■R■w[___7■2■z■F■j2■4■Mooof■
k}'■&T■2*■x■DDU#■
k}'■&N■D%A■DDU#■
k}'■&Kp■R■8■Q■Z■|■w■1H■DDU#■
k}'■&B0■h■H■U■+■ti■46■j■Xa■D■@■X"■c■
■j■M■9■PEDU#■
k■8■L■Ti■Y■V■V■\$GN■Voz■9■V■*"■9VX[■6■eJ■JÎ■%Hh■\$■C■
k■8■[■V■W■9s■G■;■YK■h4N■<iOo■v?b■E8q■S7o■
■T■T■)HED■
■c■
■T&■iJ■"■T■P■L■Jd■iK■g■5f<■}■4L■<?}■=■g■y■n■H■q\■>77w■q■
■P■;w&'5M■#■[[[■.■Xlr■q■kXV■j\$■Y_■|uuuhh(■c^L■f■H'■J■W■
■
■dQ■p■"■#■PP■\$■mk■',_■u■w/L■,i■t■r■>■:■BP■7|■_■~■S■Sh■`■
&■[■zO7X'h@■<■9■V*■^■3■m6■i■M■2■o■\$A■w{■T■B■O5■b■<d■KV■
■/k■lnd■G■W■c■t■47■NS■B■z)■XF■J\$R[■:■e■Z■Z.W■u■W■.■V■
■W*O■*■|■*■1■-■8■(■2■|>5■D■ia■=■|■d;■Dbkn■1■D■_■V~■k.■x■<■
■f9■EQ■;B'■o'O■6■4)■a■V■o■(■]■;■&O■?y■V■V■NSMMDT■m■
■f9■EQ■;B'■o'O■6■,W■â■R`■cw'■L55■QU■Y■N■@jQ■|■S■-{■+■a■V■oC■
■f9■|■U{■M■m■+■aAV■O■zo■Λ?■_■sv■\■!■*■bV■6■i■H■V■tt■Z■B■
■f<■@■h■;■+■BDT■D■@~■M|'ZG■j■D■mv/■QU■Y■
|■J)g■Ya[■
V■;■[■M#■!"■bV■w"■ç■&■DDU]■
■N■\■2■V■!"■bV■w"■Bw■E3■QU■Y■E■w■?!■BDT■
■N■]■(■Ya[■"■4■a■@■?DDU]■
■N■0■QU■?;■v■q■/■B■!■7■)■K■7■6~`c08■Cx

```

#####;6F#####*#####A#####a#####KB#####v#####n#####I#####-k#####u#####Y#####~2#####B#####i2#####
#####{ C&#####+#####*#####5#####D#####~#####=#c#####A#####,m||||bb#####rMMMMOO?#####3#####M#####w#####~#####?#####b#####x<#####
#####"! )Q#####2##### G#####$#####z#####^F#####
#####"! )Q#####2##### G#####$#####~#####^F#####
#####"! )Q#####2##### G#####$#####H#####T$$$*#####S]#####U#####H#####Q#####2R#####|#####T#####h#####
#####"! )Q#####2##### G#####$#####?#####H#####T$$$*#####S]#####U#####H#####Q#####?#####75#{#####75$*#####3#####U#####
endstream#####endobj#####28 0 obj#####<</Filter/FlateDecode/Length 1448>>stream#####
H#####W#####n#####H#####}#####W#####e#####P#####5#####f#####@#####.#####q#####F#####[#####-#####%#####.#####v#####M#####J#####!9$#####!#####μ#####Y#####|#####w#####
#####Yu#####i#####Q#####h#####N2H#####P#####c-X;#####a#####M#####4MP#####h#####~#####a#####q#####5#####g#####u#####e#####U#####O#####/#####f#####m#####<?#####A#####oK#####
#####W1#####@#####a#####x#####P#####PA#####5"#####X#####+#####g#####}#####|#####>#####V#####2#####μ#####[]#####P#####H#####*#####uB#####b#####H#####'#####:#####|#####~#####Y#####
endstream#####endobj#####29 0 obj#####<</BitsPerComponent 8/ColorSpace/DeviceGray/DecodeParms<</BitsPerComponent 8/Colors 1#####
H#####
#####
endstream#####endobj#####30 0 obj#####<</BitsPerComponent 8/ColorSpace/DeviceRGB/Filter/DCTDecode/Height 796/Length 100566/M#####
#####Adobe#####d#####

```

h, P a u z k q V I T U . s . s . s F W r # U J Y { t 7 s S - e r : : 9
{P (I @ Z O % ? l f V # r 5 H N V F V J _ / X m K ; @ r - (q D
w T j ! 4 X Q Z 9 V j \$ 5 e k w v t . H # p F c h T t % c > f] : k N
M Ud ~ y p > * ? B Z 2 g l - 3 L J 3 G K L R %) Q Ft < #
, 5 F C l 6 V r : [/ W ? B i > b ` @ E s . . W ? B i > b ` @ E s . . W ? B i > b ` @ E s . . W ? B
` ! ! ? { & 6 EU E f v h 48 X Ow l 13! Q bg { b { b { b {
@ u Le) ~ U Z U W = o P } { R 5 V " C Y 9 U k U m T Z & le 2 b 1 f 3 * M 7 s ; Lt X 4 H
Z \$ p P " w C t 3 . . H u @ 12 ' t 8 (j k ' LL ; B _
Z \$ p P " w C t 3 . . H u @ 12 ' t 8 (j k ' LL ; B _
Z \$ p P " w C t 3 . . H u @ 12 ' t 8 (j k ' LL ; B _
Z \$ p P " w C t 3 . . H u @ 12 ' t 8 (j k ' LL ; B _
Z \$ p P " w C t 3 . . H u @ 12 ' t 8 (j k ' LL ; B _
Z \$ 5 j o e ! c Tr " * + r s . H u A g [e D | < \$ M c E 9 Z
/ w SW
\$ + = UU o C - a D IF = rr " t M \$ IM 9 N i) + J U - | O O _ +
F e " { Q R & e D _ [4 L F m & Q & t [ar L A & Q & t ' n 23 l L F , 75 [a & Q & t ' \$ e g E F
j 5 mg 1 Q u W < Q I Z P n R F k \$ U E
% R E Q V Q s & d G : " f X u > R 4 (F ; UI S fj Y J 6 l
- \$ 76 z + " nm P h QU Y Db 5 * I u \$ + = WI
Q Z * (ZJ # a Es UR p " mt k \$ j sq 1 F u & E HH g J \ Q % % r v @ F
5 G U Q S : , u m L { J P ¢ Dm DY UG * 5 Q QUd RC } * GX b 4 H Mr 5] > J
- H 4 t 7 z) G ? ! " j \ po F - Q F h r E U ! J V RL + b
P Vn) IU i p ON { ([m % \ W & g ?) 3 ' l
G m b 6 * Q " 1 ^ o 4 7 \$; 4 t X p P 6 F ((X j # h D WU B : E 6 % .
9 Rz y ^ r 7 p lw ' 7 k H 8 g 9 \ Z f L
/ g [e 2 MV A @ 6 (- Z uj 1] , E 9
J F # [X LE Ri IE k y T < w t U . X q : DUu V 3 © IU Q = 9 , M . 2 B
J V * Q 7 f Wi \ zy + * IH IX s > Y V ng " 5 } \ j M] ; -) Htz 4 ' M J \ Z 4 U ,
y YN & ^ g A + < E | D 6 - / c 3 Ni ` e wo 2 b v W v + ~ 6 e wo 2 b v
7 F . 7 c " D Z ; ue " f 3 ail [d : X _ C S <) J { zf u 7 } \$? H
\$ GVD v _ 7 9 a U TEJ } H | * qh Y Su r e ! Q | j " # ~ M
° VF) L G + Q # 2 * \ *
X P Dt Y + QV , d ET 5 Z Y F b Vk [2 Wn 5 U Y " . u g pb C - F 1 S & j |
Z Dt EY 6 t 9 w DW hi G dej & ud , U " Rn Y | , NJ U j M N , eu GK } |
+ VP ") * / S e w R] jf j = w B J z Z - dr Vr 9 U { : 3 \$ d @ \$ F D #
Y +) E & w P ~ @ r G + s 5 X U > i & ? u 5 V
X } pt , 6 _ w : X 2 . K 8 : Z K a 105 s ! t LL ~ C ` pt , 6 \
U pb a M TY * " M 3 / s 3 3 V FW # h 4 i n Q ?) | W ~ j]
z) G f & Q bg bg bg bg d K t _ 5 DL 7 , u } k \$ Y 34 r v
f \$ & g # ~ n * & d . Hw T V F : # 53 & - C NH q c RLk } [q Ws 9 c
+) m < 4 + e
> b VW . hr t J Y Y Y R C
\$ M t 9 H < { m c J U j | To 4 Z DJ Y S 8 | L E { j } Me G + t JJ ED # >
X (r l 7 1 Q WU Z 2 ^ W 3 Vy h Z b \ Tr l U Q * u k ! s c) d z
) 4 w G V e _ W U z be " VS s T r | Z Z i Q
9 [\$ t w ' 4 . :) n V " Y { H 9 - z ~ 0 R R j Kl t E Z \$ F s Q 7 Q V k 9 , RE 3 Q
[Z q \ y > l d R j KM M j KFO - 7 6 O - > 6 4 > 6 d R r d R j KM
| lb e V | . } 6 O - > 6 } ^ BEc + + h , % Bf s uf K [< sn * JJ '
V = KM - f ? H C \$? t d '

a xm Az 9 RI 7 + / } + h < 8 @ L 1 ? D 33 [0 x D H
& t G J j 7 U \ e y 8 # E 0 G # E 0 G # E 0 G # E 0
D U X J s : V 9 : , j fr F 9 H y C ' l c 6 Z 9 + Q U g) * K 7 \$ t < B j s
[" IU V " Q H : q G # E 0 G # E 0 G # E 0 G #
/ z 4 ^ # (F x_Y DO ,) # [= # & G z G ^ M ` ~ 5 # { { ~ u & y G
? ?) , . q 4 S X J S R @ !
? ?) , . q 4 S X J S R @ !
? ? ?) , . q 4 S X J S R @ !
? ? ?) , . q 4 S X J S R @ !
? ? ?) , . q 4 S X J S R @ !

[illegible]

[illegible]

■E■d■c»Q{6■+■i■
■E■0■^■@■<+■h»Q{6■^■
■E■d■c»Q{6■+■i■
■E■0■^■@■<+■h»Q{6■^■
■E■d■c»Q{6■+■i■
■E■0■^■@■<+■h»Q{6■^■
■E■d■c»Q{6■+■i■
■E■0■^■@■<+■i■8■T■~■/■}■+■h<■8■@■
Q■D{'■'■srWUJZSI■"■E■&■l,■u■o■ro.■>""*■6■e<■:■nyg■3■x■;■?0}■5+■
■(■m■v■X■F■Xl■fuV6■K%l■Vl■%■85+Qc&■N■j■6|■V■g■S:■
■(o■S■+■Vr■V■<■-■)(■c5■OU■F■d■Qs■4■'■JN■K■
■e■Z■}Y■q■!■~■)l■"■|E■V#Z■U}■^■?6j■N■k■0"■G}U■1■\$■i■
V■](h■L■K■C■HtxoJ■)■"■A■GUb■z■4■f■O■
■UF-f6#wQQ■_■Dr■t■Og■E■f■q■h■B'■+■x■%■]■L■È■!■\■|■E■}
z-X■\$■*)&■]-■R:=■:"5■l■p■,■9■l■U3■k■O■k5■d8■u■]■í■h■JL■
■BXt■iY■V■d4■F■%*■r■n■i=TO■w8■'■:■0■e■;■h■6■]■d■g■KxiJoL■
GA,■A■[kL)■"o■xk■8■Y9O■R?■~^■s{■N■iC■D■Oj■"l■h■.■h■x■|■\$■jmS■
endstream■endobj■31 0 obj■</BitsPerComponent 8/ColorSpace/DeviceRGB/DecodeParms</BitsPerComponent 8/Colors 3
H■O■M■V■4FK}■(■(1*1U■6■/■~■1ZD■W■Z■z■/■P■!■yV■qr
8p■g■9■B■9s8p~■z■TH■
W■P■:■+■,■#■^w}■L■L■/■:■S■Δ■2■3■L■L■/■:■S9■)■H■O^W!■6)■j■Y{■Q<■[■aa!//o||■)■O■
■zEQ■)N■;■=■u:■>■444■r■/Ne<■
Z■d■8!■[%N■<S■(F3■|■B■mR■,■v#■"■s■4■777■X_■*■Y■
■pk■v■2■u■0■577■}q*■V■O■Q■R■'■f■F■]■xG■u■\$■?■[oo■e■(■
■l555■D■1■iQ■\<Pwxx■G■r■D■{■?■p■O■F■xWcc■?i■l■+■0B■=
tuu■>}■\$■jj(■d■333■Kx■^■iR■-■2)■
4■#■'\■0■SK■Z■7■w■_■l■F■i■(■:■:■4448■S■Z■@■\■^■
H■N■]■7x■(■|■c■N■x■W■F■Q■'■)■B■}■q■N■v■k<+G8\]]■(■
■(■KW■;:■j■+■2■:■6■tw■pA■tu■sss4Y■~■<
N%■l}■
■XV■b■L■w]■,■mR■"t■M■ng3■t2xTX■<yb<x■/qB■)■\■Y■
M■|E■D■p■NV■=■3■D1■3■n■?■fq■M<■J■c■Q■UQ■d■T■{i■B,■
■/H■fmm■)■hr3B■G■ä■ù■.■J■Yl■AB■}■0■Jak2■
i■l■T■=XGM■P■J■Y■i■^■r■i■{{{7■-■2)■3■qMM■dMNN■/
■B■/y■i■
■seb)■\$■n■F■A<P■Z[S■T■ÔeN■c■Lq"Q■f>■L■Yge■*■/■!■
■H,■)?ecc■d■\yv■[r■o■|■g■H■?z<■R■S■-■e■|_■0■G■)■H■
■v■Y57\$■0■s■>■g■V■c[(■QrT)■8■SC___uu■c.■_,]■'
■7Xgg■=,=■|/■)■oN■"h■ol■i■_■w■AV■F■K■CVww7■z■/■/■"■^■
■r%■4■2■_■F■c)■v■d■{NZ■A■!■3q■#■g■a\$;H■G■
■&FGG1X!■)■8V■&■~■~%g/'■C■OA■!■x■K■R■vvvB■c■p*■06d■
&V■i■5■4■ZG\■n}s■*■p0■8■\Z4f■p■\$■U■'■?■\■6■M9333■ba■
■!t■VI■@p!nZr■H■s■b■x■x■^?■:■(■:■
■!t■VI■@p!nZr■H■s■b■(■O<■5#■uD=■8
■#j■iD=■#■A■U■'■\$p■"h■|■*■O@■zh■Q■#■B■h■Q■#■@■o■B■9m■D8■
F■@■zh■q■G|■i■\$■H■7-9W■9■1bg■U■'■:■ZG■5■4■ZG\■n}s■*■p0■
■!t■VI■@p!nZr■H■s■bR■{x■x■^?■:■(■:■
■!t■VI■@p!nZr■H■s■bR{?■]E■x■~■Q■#■u■Q(Q■Q■M#■u■(■B■7■#■^■"■
■!t■6p■H■s■b■x■x■^?■:■(■:■
■!c■}■F■0■^■XW■kl■H■)R■"7B■q|)N■0■R■pQ■g■P■E■
5■<2■(■(■0.J■3■RUnm■?■r■F■4■N#■#■D■c■RA■zJ■k■
5■<2■(■(■0.J■3■RUnm■?■r■:■tgiei0■6■\$■|4R■A■M■1F)■D■<{s■
5■V■;■c■R*■RW■9■Y■O■G+■k■>■/^^■0.J■3■RUnm■?■r■9O■
C■;■<■!■B■!■B■!■!n@UUY■}■=■*k■%■.■y■7x■?■L■(1■G■\$4■f■+■N■u■
■u\$;■5g■<■;tw■8■W\$■,■&■rMM■p:■P■m3!■;w*++&■l■D■HHqX\lhh■koo■
■Y-//■8B■H■/■^■+■r■i@■^■\$l.■K■|■P■+■^■e■\$■R■]■
■<h■&"■e,■]■6■3■}■q■G■d■H2e■e■4■v0■,l■_■u■X]■h■@■!■
■\$■7o■Guu■p■B]]■^■0■w■=Bn■Jmm■[[[■|■^\$!■,■=■*/■h■
■~■:■"■GvB■_■y■&R.■p■T■B■}E■t■2■bH■&■J■9■@88■B■FhD■u■x■0■q■

0q[~ixd|>B~vuU~8~bmT~8~mTb~S\\~F~g~>~
3~J~d~|~TI??~;w~!~;~"~g~BB~}~?~\\~Z~m,~3~C~|~m~
U~]~"~U~s~J~L~r~G~^A|D~746~#~8SU~
X~v~S~&~==~ξ~8v&~JW557C~<~%~L~*~J+~P~!~c~\\ss~M~1j~>M|>~N~
!=~QR***~%~n~]]~d~~ZX~(~g~r~P~J~P~8~R6~z~loooi~T~B~8~
~\$~_~"~b@~pv~"~mY~Aj~G~+~&j3~L~+~@~xr~2~P~}~8~@~
~x!~B~9~t~B~Q~o~c~P~bs~!8~s~jc~@~_~wwwEQ~?~t~[M~7~}~
~NQ(~~)~~)~^_~S~
~>~6~^2~C~G~9~D~U~"~~/~,~v~ey~>~"~T_~nt~t~o~:~uN~(~~
qA~J~
~Gq~Q~eC~s~!F~#~u"~m~?~u~z~=~v~ey~>~"~T_~nt~t~u~g~o~:~
qA~J~
~Gq~Q~eC~s~!F~#~u"~m~?~u~z~/~v~ey~>~"~T_~nt~t~q~N~
~x!~B~9~t~B~Q~o~c~P~bs~!8~s~jc~@~_~EQ~N~kwNY~^~#~N~u~F~A~o~
qA~J~
~Gq~Q~eC~s~!F~#~u"~m~?~u~Ea~==~N~,~G~n55~.~60~0x~C~B~
qA~J~
~Gq~Q~?}~+s`~9~hz~s~NdQ~m~<~kwλw~G~n55~.~60~0x~C~B~!
~X
~s
~£~9~Bp~e~:~E~=<~c&~i~S~}}~@c~Eb~o~<~o~O
~
`Y~'J~u~!4?~~g~c~9~~G~9~D~U~A~3~"~S~}}~@c~Eb~
rZ~]~ET,)~!~g~e~.~<~~D~8'O&93~L~{D~{~_TM~*~K~V~s~Zk~?d~"a~t~@c~
u~"DU~wP;~P~O~t~LNNb~/~UYs~
~C~(%~[ZZPJ2~tT8~m~]zSSS~?~g3~|w~D?~{~/~;Q~,RG~,S~n~SK~%
~=(~[&?~fff~A~Y~GVYa9*~A~,~+~Q~D~8!~W~^!~ojj~{~#~J+++~5500~*XZZ
~vg~Xua~R~P~D~w~mY{P6~e*~K>~u=5lj~\\A~k~M~4UU~E~|U~a~
~z~J~E~:~%~744~|zzz677~|~/~f~O~Pk~BCe~y~9f"~H\$~v~/,/~
~y~i~<w~#~0-~q~u~_9~sj_~X~;~RJJi~N
~RJJi~N~5mU~c~w~vT~Ω~}~s~`1hl~_~y~N~Au~(S(~~
~;E~B~N~W~S~ΔRRJôtr~z~y~i~y~z~hY
~?~==~o/~NQ(;;(~~u
~RJJi~N~5aU~q~c~B~@~C5~{7-~z~e)0,~g~S~c~
~p~8~B~u~N~8SJi)~q^~&~j>>~c~"~B~u~S~~O~b~"~
~K~
~P~wP(~~i~)~w~3~0-~uk²~8~("!~^~j~9~tnZ~,~-)~_J~o~R`~-~t
~bK(~~
~D[
e~:~L)%~4LK'~y~8~1~H~z~wN~~=~~AK~X
~*,~R@~*~t~B!~|~O~Pv~S~ΔRRJôtr~z~y~i~b~R`~-~t
~bK(~~
~D[
e~:~L)%~4LK'~y~8~1~H~z~wN~~=~~AK~_~K~)~P~wR(~~m~)~w~
~x'~B<~B~u~N~8SJi)~q^~&~j>>~c~"~B~u~S~~O~b~K~hY
~N~Uh~B~HK~[~)~i~8~[~V5~1F~!T~:T~Ω~}~s~`1hl~RZo7~o~R`~-~t
~bK(~~
~D[
e~:~L)%~4LK'~y~8~1~H~z~wN~~=~~AK~X
~*,~R@~*~t~B!~|~O~Pv~S~ΔRRJôtr~z~y~i~b~R`~-~t
~bK(~~
~D[
e~:~L)%~4LK'~y~8~1~H~z~wN~~=~~AK~X
~*,~R@~*~t~B!~|~O~Pv~S~ΔRRJôtr~z~y~i~b~R`~-~t
~bK(~~

```

bK(
D[
e::L)%4LK'y81HHzwN==AKmY
NUIB!hK([)i8[V51F!T:TΩ}}s`1hlK^p[
^NQ(;)u
RJJiN5aUqcbB@C5::7-UIY
NUIB!hK([)i8[V51F!T:TΩ}}s`1hl`Etv_R`W
[Q/B>[
u
Raz:92V`,,qd)8"q@kE\X:tssI6q}>+MVU n!x
S"P. @_?.H;o):P Kf0&clm=XIsGt% NvLm.m.t
gse
ssJx;[IsGt% NvLm.m..oJqDM$u; /T..|~{
Y<4M<((7_] }o--d
Lg(|/2Mk } ,ScM7T'" n!xsKvA$-==%]R
t#xzR@Y:::g!P_&P2= <^.k /U @iYQclm?>9^4wtK
-PL=7
_r((`rP2} @iY9clm?MX4wtK{[_"iToW6("WWz??
b{ @ ,y,
_(-719c||qn{E{[_"iToW6("WE==#,T-,k0[
-P(L(._
o,,rLss16P&HZ?C{pftjh~S<"<~?^KJ) Sh@Q
|ff0&clm?MX~t} "iToW6("Kb)<% "PW(---e
ssJ87aEqB;6mmS]3S@X
(,,R@((d@!w$PZn) cr1* ||q{ <#!NvLm.m.._
%Kb)<% "PW(---e
ssJ87aEqB;6mmS]3S@X
(,,R@((d@!w$PZn) cr1* ||q{ <#!NvLm.m..b)X(fK£X
LQ,B @!hl,S,cM7T++9yoc$-==%]R(Gd)P2G$
J%rLss16P&HZ?C{pftjh~KCE@1[
CEL(#+J2`L9tC%~"i8!xs6D©mPE,xK) SxK2E$P;Z
LQ,B @!hl,S,cM7T++9yoc$-==%]R(Gd)P2G$
J%rLss16P&HZ?C{pftjh~KCE@1[
CEL(#+J2`L9tC%~"i8!xs6D©mPEM?3oR--d
bl
qGKff0&clm?MX~t} "iToW6( [ (fK£X) x% B @iY
bl
qGKff0&clm?MX~t} "iToW6( oR--d
bl
qGKff0&clm?MX~t} "iToW6("Kb)<% "PW(---e
ssJ87aEqB::X80| mLhA<+!&|1hShGTo@b(eYow
B\N|P|Bn; @g3Qy}a qJIUE|0{ nD^i?
W~n?
)bb$,!7v
J)f6LKZ°5` kkt#L^Q[T2ryXBa1,T,S
|0{ nD^,W~9ooo\W" _R~N|P"X?SJT
\TUD{>====]=D07 @C3Qy*smRRU9` kkt<D
\TUD{>====]=D07 @C3Qy*smRRU9` kkt<D
\TUD{>====]=D07 @C3Qy*smRRU9` kkt<D
\TUD{>====]=D07 @C3Qy*smRRU9` kkt<D
\TUD{>====]=D07 @C3Qy*smRRU9` kkt<D
\TUD{>====]=D07 @C3Qy*smRRU9` kkt<D
@||0MQVm-1nf#b0u (oFSU[,t9"2x~B
@||0MQVm-1nf#b0u (oFSU[,t9"2x~B
@||0 zyy8=,|u| |~~EYBw9TUD_9ff
@.S a<1zvf//,j5?{e|rss""Yt3%Ofg
^1i!x1kooe<ffvk0t]4-!YAcwyn||!B!B<MLe<
ayW0]5M|HVh|8.{B!B!B|CB|m4S!- j|&#Q-

```

jvv<TTT@e...s"!...6...vvv^...K8...h...kU...
 jL#BqZ...e...#.../+...i?...?::...d638..._...i...n...4b?...Y...3...GGG
 A...
 4??t...C...&...>44\$...A...H...W...j)FX...E...ccc%...n...i...G...q...\$O9...T...
 ***...UUUVV"...F..._!...N^...Zc?...8...9...3...N...P...m...4...T...G...nMBX...σ?...M...
 ^...@...J...D...K%...Z...".r!...%P...H...>~q...s...}...|...m%JB...C...3...Ue...e...tqq...F...
 .T...x...yccC...4...F6A...qqq188...BUU...z...O...|k...z...666&'...2...R)...5;...999iooGO...|B...
 X...f<4\$...<a...iZ...+...!...U...p...%...:(...9...Be...;
 ~i_]...x<...s~...W+++...!...[Wx...a...[...B...jksk...O...K#B...<...Q0...F...i...
 =/C...>...}[+O...4...==...a...N...d...((...S...:sP...+...i...q...3...}|...5M+x...
 7p]...D^G...Q...C...;;0...^355...S...?...D63M...D&...E...[W...
 Z...<88...xJV...T...g...7...R...xKKK...+...~...
 X...f<4\$...<a...iZ...+...!...U...p...%...:=9...B...k\$...B...Y]]...S...Ey...v`ffF.../
 2...r...0...hP4...Eu'...\$L
 D...7R...B..._...|bb...b...z...
 ,c...@td...B...q...A...ZZZ...E...666...j...</...=!..._6(...V...q...Zuu...
 X3V...wrr...q...2lhh...m8...~!48...n...<mnnbk...
 Y...R=...
 <...\$...p...HGP|...TOOOvJQg...G-...L...%...8...eY...a...ACB...c...T...W...B...!...p...
 ^Q~...a...(\{...B...!...B...!...B...CZ...q...2%}\...s...0...]...5M+x...E!...2...
 7p]...|...!...B...!...B...)|...i...q...3...}...0t]...4...v...h...*...8...u...r...!...B...!...B...!...8...+S2...
 ^Q~...a...(\{...B...!...B...!...B...CZ...q...2%}\...s...0...]...5M+x...E!...2...
 7p]...|...!...B...!...B...)|...i...q...3...}...0t]...4...v...h...*...8...u...r...!...B...!...B...!...8...?...
 ?xW...A...E...S...i...L|...a#...6...%Q...98...#...@=|1...~H...D...u...s...ZcL...!...2...
 qG7...r...x...Mx...(\o..._z...W...^...b...c...v...jksk...r...~H...D...u...s...ZcL...!...2...B...@...`...o...
 #%...V8...g...r...+...}...M...R...3b...P...!U...q...Yk...1...Z...H...T3...k...i\$6...<yR{...
 Z...Q...R...%y...g...%...C...\$...c...w...fN...:...Hlx...s...V8...LA...d...@...@...v...\$P...
 \..._...>...b...c...:O...HX...s...Zk...):DB...9]C...L#.../...s...a...kl...
 qGK...x...m...{...}>...g...%...C...\$...c...w...fN...:...Hlx...s...V<...La...d...@!...
 qGK...x...m...{...}>...g...%...C...\$...c...w...fN...:...Hlx...s...s"...s...a...kl...
 qGK...x...m...{...}>...g...%...C...\$...c...w...fN...:...Hlx...s...V<...La...d...@!...
 ,...8#.../...u...R%...|...S...u...L5s...1...Fb...X..._...=...La...d...@!...H...w...\$P...
 qGK...x...m...{...}>...g...%...C...\$...c...w...fN...:...Hlx...s...V<...La...d...@!...
 qGK...x...m...{...}>...g...%...C...\$...c...w...fN...:...Hlx...s...V<...La...d...@!...
 qGK...x...m...{...}>...g...%...C...\$...c...w...fN...:...Hlx...s...V<...La...d...@!...
 qGK...x...m...{...}>...g...%...C...\$...c...w...fN...:...Hlx...s...V<...La...d...@!...
 h>...w...>...b...c...~...!U...q...Yk...1...Z...H...T3...k...i\$6...*...:...?...?...w...~...
 H...b...>...Up...7...P...\$4q...1...O...k...1...g...?<...q...s...3...w...B(...
 V...k...?^...J@!...HM...ht...
 B(...c'...Q9...f...A...X...,(0...H&...f...["I*...s...z...N...j...Y...\$)...U...F...@...h...-...M...
 B(...
 x...Oc...F...P...
 \$#...vy8...J...l...m...Ff%...2...U*Uqqq[[...:5...B...?x...0...8n...p;...]=...
 %).../...+...}...pSS...4...F...\$?&OS...pJ...P...B)...s...\$T4...[w...B(...
 Ba...<...R...@~...6js#...t...W...;...B]...a...&r...b...]]...r...Vc...
 `*(...:...?...cjd...o)/...+...|...Q...#4-v...bYhm...Hr...h...c...q8...F...A...QU...IM...KP`4M...
 i...R...uS...d...-\$...9z...^...i...hcF...m#C...3...t...^...:q...O?1/G...;
 o...G\...GL&</...P...+...O...b...#...cN...|...P...8...8Bi4...P...#...p...?...TGY...T1...+...k...`...
 Y:x...R}}...0...^...|]...P...[Z...mz...V...t...q...O?]}...y...m{...=Q]...UGEEZ...3...b...
 Z...9.../...KB...b1...ann...eY...g...i...
 SCCF...f...2...spS...`...b~0...Apr<...&...gdF(F...S...B(...\\...E...D..._R...
 @...-...f...-f...C...C\$...fE(...B...A...HR...#A...#...h...N^...`*c>#`...v...
 W...e\$!..y...?ni...VBa...t...e...mhh...y...?...o...lj...X...*...m...k...
 n...*...##&...`...~57mfq...7...k/vgww:...7...=0...0...f...L...\$...B...B...
 m...P...4...2#...R...-...Mx...8...
 #...c...>...U...ml9...U...3...<...N...O...9+...mB{...%..._...j...i...o...N...Zn...d...h...
 v...*--...%4...UVq...-...Qk...Y...#...1...q...#...)!...h8,...]3m...6...
 !...W...D...~...oq...[8...H...Vg...K...h...Pq...L...PY...\$...h...\\=w...C...S...JQ...W...

JH███;v███œ 4██9███D███]4███@███'c██+██@ayn██*███d`██pS███8<███(███'Z██W██Ü
███\███#██>██s██}>6>██A███Yq██-██â███{^███Ht██5███/██0._███eK██y███=x8██n}tz██
███r██+███}██>███{███k██`███.jwQCU███x██kH██'e ;L██P███M███\███vdt,[███= N███U██
██[O███-██j4z███Y██v-███1███?6>^]]███k███5<██~R███h███:y███o`███@██G██)[███
██s██T███4███)███__███Fz██<██*██p███
███{X██(███,██f███,███c███\$!██EA██!Qz██b1j██v██2\$███D██_███aHNWa██0███E"██D@██HY██
_██Y██S\$███S███d███E"eQv███0E@███|██KKE+███,██f███,███c███\$!██EA██!Qz██b1j██v██2\$██
██s██Er██
███{X██(███,██f███,███c███\$!██EA██!Qz██b1j██v██2\$███D██_███aHNQa██0███E"██D@██HY██
██S██
██J██
███5██J?██O██(███9██F███e███!███3███!███L███j)~███9'"██O███X███n███)███)██S\$6███V<██7███v███
██xoQ███@███{███!██8███B██5███.███Cn███w██H███C5███5D██
@███o███b███=███=██7███v███B███B!██hM███)
██xoQ███@███{███!██8███B██5███.███Cn███w██H███C5███5D██
@███o███}██<"██s~███)I██NQ(██+██)███*███>██P███u██Z███=███r██3██,██PS██2]?██F██q██9██{██T?███:TcaZ██}[███
██S██
██J██
███5██J?██O██(███9██F███e███!███3███!███L███j)~███9'"██O███X███n███)███)██S\$6███Na██
qGk██
██~██NQ(I██s███:-███Cn██9██f██B██)u███r#███sND██h███0-███!R██R██Hlx███9██a███kM██(███
qGk██
██~██NQ(I██s███=███c██af!███R███!7R███;██D███"███70██0███S██5███P██WR(███
qGk██
██~██NQ(I██s███:-███Cn██9██f██B██\██O███Cn███w██H███C5███5D██
@███o███_███|███t██
███;E███-██B███z███c██
██):E███7███o███r{██1██0███R███r#███sND██h███0-███!R██R██Hlx██w███^███:<███t██7███_██
███:E███S██
███~██B~██NQ(I██s███7s███|x`███!███3███!+███~██T██s███9███~██u███'p███H██H1███"███%███o███
qG7███{v██Ba███o███xsg███{((██7██g██Y██am███Cn███w██H███C5███5D██
@███/██?███o███_███;██g███2███;██{s5███
███/Gu██B███N███7o███go██f███|██2{███o1██0███ft███x██s"R██D██P██i██v███b0E███-███
██eP██.██F██'███y██k███G███R██
Ij^Q<███cw)███@███K███IDDDDDDDDDq^██Z███.%&███Q!c███(███B███W███1███#███]███P███hty███
██e███J\$""███Yk███d=?*dLP}███R██Q███1&pD██K███HDDDDDDDDDD███j██K███z~T███<J))███cL███
Ij^Q<███cw)███@███4███|>███V((██&&&██1███w███e2███w██v███ru███
██e███J███g███>███>|███{██G███L&S███~Sh███\██W███?███-██u██L███"h.██Xx███
███&███<███A███o███[███>███nmm███]███j██Ck]JL███B███QJl)███5██(██c██G███A███]██WQ██P███
██==███njjnnnoo███0███<yuu██NNN.u██Du███\███/███@███}███q██/███v███k███!███m███
|███:███%███!███J@e███q███'██w██^███*██Q██JxT███L███r███.4███A███z███
a██^hX""███"██K███G███μG██Q███1&pD██K███x███?22███%███\██q███Vwww██X███|███d&"███y^███
██*X__███>.,,LMM]███T██[D███_███~███4██a███7%&\$~███Q███F███1███}&███Cj]!███<gJ███9██U███n██1██Jx██2██m███
██c██?██RJJ)███zF██1███.D███H██Zg███K███%███a███=███ft:███\██pY███!{r██p██u---=x███}{;███R███
██Fa#███mmm███|Y███>███K2██Q██D███E███N██.███*███|███.███m███
#██4.j/███?g███Tkk+6███'O██N██E███y███rQ;███QX███}}███%███>###n███;DDDT>███"███\$███
███Z███\███V██+d███]██8J))███%███U██2███>Q███iP██L███`██czzz███q███CDD███T]]███\$███Y[[███\███q███\$███
!███Qe███}███>███\$███HDDDDDDDDDD███r██Gk███L███x███G███)%███BT=███c██D██V███H███A██3███8███
██c██?██RJJ)███zF██1███.D███H██Zg███q███u.0l+███2███.███R██Q███*c███Y███D""███
███8Z███\███V██+d███]██8J))███U███A███j███DDDDDDDDDD███q███\$███W███q██RRJID██3███1██O██gu!███@███
██c██?██RJJ)███zF██1███.D███H██*██oc███O~███~███?██*-███r███33H██3███")███*/███;██+███
███B██@███E███W███/███=s███.██U]}███d███
N██3E███!P██+██8P██V██Z███*██s██.1.██%███X!\$M██'███wIO4██T██n███.███=███,███
███J}███d███
N██3E███!P██+b███M^S███9███;███a██\$███B███;███'██H*T███k██m██m██K███L██2██(o██){███d███
N██L██(███X███e███

[illegible]

P5#####&LwY##(h#####F D N A U#####`t)}e v~#####otMD####
P5#####&LwY##(h#####F D N A U#####`t)}e v~#####otMD####
P5#####&LwY##(h#####F D N A U#####`t)}e v~#####otMD####
P5#####&LwY##(h#####F D N A U#####`t)}e v~#####otMD####
P5#####&LwY##(h#####F D N A U#####`t)}e v~#####otMD####
P5#####&LwY##(h#####F D N A U#####`t)}e v~#####otMD####
P5#####&LwY##(h#####F D N A U#####`t)}e v~#####otMD####
P5#####&LwY##(h#####F D N A U#####`t)}e v~#####otMD####
P5#####:mX##K##;T|I`N0##@#####P.###O 65C 4###Vd##`P#####W#####~5###|###/###
-W###}2#####'#####U##M#####1##|#####[mT###dfk-"O#####^###0cr'###g###qv*#####
f,W###}2#####'0mU#Au:###y###<#####YIV0cY##RU#####8<###k#####_N#9X###b#####|###
#####ZD#####VU#T#u;e#####/###,###g#Y#AU}#Ù#Z###S~z#####n#####<###d#####6+8#####83[k#c
#####ZD#####VU#T#_##&#-###f###X###X\$#####b### /##+2#8)#####7#SE##()###V##@e#%5#
##|#[###1J)!\$#####V#IQ#C#####q#É<,,#####a#d###\$#-#b#####Jk#m#s#A#####8###D#####
##2Q###k###TOO#8\###y###v#X\$##RgM#q#z#_#####~###D#####`###h##|1c#RJ##### [#####
#H\$2::??/*_#xq###T*###Z#+-D#(#####.n.###b#rY##;#####o"?#####LV#M###/f#QJ#!#####8###d###^
#####yuY#####J#D#R#####&###0L#Lo###z###UU#####x#####D#####e#####f#x#####X#\###
#####ED#####`eU#H##,X#####8###2#D #`dB#v#!#####9#[t#4i/#####T*##w##>##}X###X###OLL#####8###OKKK6#
#v.#
J+####?u###Z####,r###|#####=#q<#####]#x###D#####) (##rr#J###U###`W8#h*###xq|0.#####'###4,##9###
sZWW#####Xjll,77#?#
#####E#####3gfff#O#o#?#Q;#NZv#fssK#jZ###O#####,#####i9###`#!#####@#1#>|#####FF#####S"Z#####
p#####!###B#;#####AX##x#(#####W#

#####A#<Aa|~#####Be#h4 #####1RZZ*##+k %##V+x#####x.d#OL#A#S#w#####>#####R2#-#####J
il###6#K#<0<#####'###4,###dBe#t##`P#####J###
#####j#mmm(#####*#
t#X,##[Yy#aaaalI#*##PU###P#zzzjjj#]###^uvvbA#####}Ai###X#####.d###aA#\#<#[#####z###QJJ
#)#####f#####|vg|###`#M#)#(#####C4#>#`0###z#4Y###w#<###G#####!6###
D#;#####k###<./|#.v(##ivvvYY#Z9###T*1#####xRd###B#MMM!#uu-SU\$###1#####e%#####8###/#####["###;
&###8###RY100D#####\$=##,[##-#wKD###fY#####H#;##H#CK#####ikkC"#S#U#####w(##)LkOO#####z#####\$B#

A&1[##!##P2###W#^mhh v######\$#Zp#####aW~~>#####P#####O###4#####u#Brgg# ###"##P#86###---MM#
#####of-#####yE#,#####4#####.###78"q######z#####Z#\$D<E_#####*#####A#####_0###6###c)
#####3vtt#B#####O#C#:#XZ4#####f#####N#####fr#Gx#A#O#####G#####RX#v#####N#s'Df#k#ZL#####6μ#####
#####CD#b?#####jaj#"K#?q#####*#####IF#2\$<#####e"###0###.#:#####]#####\$#8#####<c v###a#0{#####C:#####.S
%ls#c#####GV#t#c#1`###d#F#*#####S###L?#v#{##*###D#Jg0#####U#####U<#####]###S#####
7###M&#~
%#####P#9###>###]#d#P#####a#####%#####j###F#k~~#####J#^#
#####^#[#####8#4#RY_###)##`##_#IL#####IK#&###L#%###6Je#####';###S#####2Q#####0
#M#~#####eB4Gb#####J##!X#P#Pt#####}F#>L\$#####D|#####%#lvv###\$#####B!\###h4#;###
#####r#####y#Z]]#####j###@`ww#####`0#####YX#####J#^O
#7o#Nbl#fgge#H#b8T0###4####d'#####d["###|TV#####q<#####6#--[##-##e#N#/-#a8#R#=#y#####)##-
r#f#####t#>#####333S#
#L\$M#####di#####x#####mna#####=#%?a7#!#J###w8{#8#####Z####L(##mc###d#7!#{#\$~0####@rMM#
#x%_!#####k?#7#};##2#####8###a#####h4#####P(ZZZ#####0n2#T*#####8P#####Q^#####+WN#:#v#
#\#
#####fggc#D#####f|||k###z{#####E###2####%####}(##?####^#####h#@#)#####g###Fp##<#####v#####MT#
#####TDe#K#R#####@#9#####J#m##;#[##`gE#{##O#4MUUEQ#)-?m#a###F#F#
~#####\{x<#####zn"##}J\$#~#####|#####L&####;vlaa#FD#E#9#####J#m#9#Y#####0#5
#####N#{##rUWW_#x###w#}."*%###sp`AK#####J#m#9#Y#####0#5MSUUQ#GJ#O[B#e###Q###N#;;>#>
aO#####-#####n#####kkk^#####?}##;./##c""#oN#q !""r
;+#####O#4MUUEQ#)-?m#a###F#####Baii#####C;;;#t:####|#D"ag#R#####@`###a#^###O!#####\$#/#
+++######?#####>##/H#9#T#####9#####i#####f#####i\$###d2#[#t#w###x###r#####E#2###p
e#Y#####4###M&##>###c###r###5###E#2###p#####v[XX#####x<#"9#####0###vfIE###RcccGG#p#####@#####
lrjN#q#####k#####F)R#####+W#####Y#####?z#####s#ts#####?~#####8#####,\$+`###o63U#####
#####LUE\$set|##r/=M#####o#####[##o#5#L.]#####|~#####',##\$#####
#####LUE\$set|##r/=M#####o#####3g#L#####f##~#########'q,,####YHV#@##%#lf#*)#####{##9m#.#=###`#####\$#


```

LUE$et|/r/=M< d!Y x o[ i 8 ,,$+` o63U
LUE$et|/r/=M< d!Y x o[ i 8 ,,$+` o63U
')w.-,)(E O?ciJ`e'K'K D N m`e',,YHV|23
8lf"r:-# d!Y' TUDRn[ u ,,$+ $ H m V p d $3
23"v / *by 3W)h 23"v ` k v Xa p V *3#b _ " = _ ?I1 U
m n ~vY CRU J] 8. ^ y TUF? z# W S"" J UUF~
QUefD - o \ SLk8 p a o
j j ! 23" p r l = m l 7 , N > f ( d Eo
1 l = > 9 s ~w z u / ! 23" p o = > 9 *f# { f z E Z Z
1 0 7 = 3 g n | u r *3#b + # Øc^ 3 f d - C - z;
n ~ N q \ N phOA A A A C PKK , ! j i W A X , 4MkO 2 : ` d 2 X | >
LNn b f l . K m 4 4 & J W r N ! d 2 e ^
L & % v t t g M ` 4 a v J { } l 6 K L { P 8 e } Q G t V m
M 8 5 s v + a ` ] ~ [ X Y . H T J O { \ w ] Z R Y t n x > s N Y % ^ n ` m E 2 ~ r |
K h h 3 l d } } ~ > b j J n V / . x k N . _ 7
33 { t : A A A A N ' & & v
F ' H r ` 0 v A , K K K ` Y 6 L d 2 m l l 7 w w w _ v m u u a ^ @ ` x l 6 } n j 4 M
N W J K 1 = = $ \ . v Z Z R . l $ ^ + i " k 6 V ^ ' o C e
~ k f ( % Y r e Q e o < 7 P e Y u z * : } ? ! W \
Y C y _ D " < { _ p _ d j { % k # Q > ) D %
v + a x | Z & o O A V ( E R | P X Y W _ U F 2 e n O & e v h -
~ k f ( % X B r . % n P ( d { | e 5 e L % } C { u 8 |
6 e M 5 f 5 k / _ b W ^ ; v l b b B z Ç u 1 - f H j * { | u J ) < M T 5 4 @ ] 7 d L _
< X [ \ ~ + q # g 2 o U # N L p t ] ~ | + 1 ~ Z # i y 9 v t Y * ! " V k i n N Z X 5 7 k w O u
A A A A A D 5 F S d Y ; { = { v o > E Q Z p ? ~ | t t > ) \ 1 Y ! ; ; Q J (
= [ Y 1 8 v U O " p : 7 o 9 5 5 K ] 9 7 & ~ B \ ] A m Z ( ! Y m
' r } " r " o o ) p , , 0 S w z [ 9 ] : ! ! L g [ f u
= r 2 ) p , , 0 S w z h [ , 2 A M p C C i f ] ? S R ( T
A A A A A D 5 N Y S c ` B 6 E ] 7 d n N q j , 7 e 9 * E A p , 0 S
G ! ! 0 w 8 u a i R ] ) f $ S k F / V
G ! } | 6 : ; v " R b | ~ n O _ L < A 8 8 " X - [ ? ^ o 6 O
endstreamendobj33 0 obj<</Filter/FlateDecode/Length 1602>>stream
H W Y 6 ~ G h Q u M $ U b [ ( X 9 ) 3 d _ M . < { 6 ~ 4 n x v
z B o 2 o o C V ; g 2 9 } k d X $ ; F 3 3 # u > 1 x o \ ) t
endstreamendobj34 0 obj<</BitsPerComponent 8/ColorSpace/DeviceRGB/DecodeParms<</BitsPerComponent 8/Colors 3
H O M V 4 F K } ( ( 1 * 1 U 6 / ~ 1 Z D W Z z / P ! ! y V q r
8 p g 9 B 9 s 8 p ~ z T H
W P : + , # ^ w } L L / : S Δ 2 3 L L / : S 9 ) H O ^ W ! 6 ) j Y { Q < [ a a ! / o | \ ) O
z E Q ) N ; = u : > 4 4 4 r / N e <
Z d 8 ! [ % N T < S ( F 3 | B m R , v # " s 4 7 7 7 X _ * Y
p k v 2 u 0 5 7 7 } q * V O Q R ' f F ] x G u $ ? [ o o e (
l 5 5 5 D 1 i Q \ < P w x x G r D { ? p O F x W c c ? i ` l + 0 B =
t u u > } $ j j ( d 3 3 3 K x ^ i R - 2 )
4 # \ 0 S K Z 7 w _ | F i i ( : : : 4 4 4 8 S Z @ \ ^
H N \ ] 7 x ( ( | c N x W F Q ' ) B } } q N v k < + G 8 \ ] ] ( (
( ( K W ; : : j + 2 : 6 t w w p A t u s s s 4 Y ~ <
N % l }
X V b L w ] , m R " t M n g 3 t 2 x T X < y b < x / q B ) \ Y
M | E D p N V = 3 D 1 3 n ? f q M < J c Q U Q d T { i B ,
/ H f m m m ) h r 3 B G ä ù . J Y I A B } 0 J a k 2
i | T = X G M P J Y i ^ r l { { { 7 - - 2 ) 3 q M M d M N N /
B / y i
seb} $ n F A < P Z [ S T Ô e N c L q " Q f > L Y g e * / !
H , ) ? e c c d \ y v [ r o | | g H ? z < R S - e | _ 0 G ) H
v Y 5 7 $ 0 s > g V c [ ( Q r T ) 8 S C _ _ u u c . _ , ] '
7 X g g = , = | / ( ) o N " h o l i _ w A V F K C V w w 7 z / / " ^
r % 4 2 _ F c ) v d { N Z A ! 3 q # g a $ ; H G
& F G G 1 X ! 8 V & ~ ~ % g / C O A ! x K R v v v B c p * 0 6 d
& V i 5 4 Z G \ n s * p 0 8 Z 4 f p $ U ' ? \ 6 M 9 3 3 3 b a

```

#####!t#####VI#####@p!nZr#H-###s#b###x###x#^?#####:##(#####:##
#####!t#####VI#####@p!nZr#H-###s#b#####(#####O<#5#u#D=###8
##j#iD=#####A#####U#####`\$p#####"h#####|#####*#####O@#zh#Q#####B#####h#Q#####@#o#B#####9m#D8#####
F#@#zh#q#####G|#####i#H#####7-9W#####9\1bg#####U#####'#####:##ZG#####5#4##ZG\#####n}s#*#p0#####
#####!t#####VI#####@p!nZr#H-###s#bR{x###x#^?#####:##(#####:##
#####!t#####VI#####@p!nZr#H-###s#bR{?#J#E#x#~#####Q#####u#Q(Q#M#u#(#####B#####7#####^#####"
#####!t#####6p#H-###s#b###x###x#^?#####:##(#####:##
#####!c#####}#F#0#####^###XW#kl#####H###)R#####7B#####q)N#####0#####R#####pQ#####g#####P#####E#
5#####<2#(###(###0.J###3#RUnm#####?###r#F#####4#N#####D#####c#RA#zJ#####k#
5#####<2#(###(###0.J###3#RUnm#####?###r#:######tgyei0#6#\$#####|4R#####A#M#####1F)D#####<{s#####
5#V#;#####c#R*#RW#####9{#####Y#####O#G+##k#>#####/^^#####0.J###3#RUnm#####?###r#9O#####
C#####<#!#####B#!#####B#!#####n@UUY#}##=##*k#%#####.###y#####7x#####?#L###(1#G#\$4###f#+#N#####u#####
#u\$;#5g#<###;tw#8#W\$#,#&###rMM#####p:#P#####m3!#####;w*++&#&l###D#####HHqX\lhh#####koo#####
#Y-//#####8B#H#####/^^+#####r#i@#####^#####\$l.#K#l#####P#####+##^#e#####\$#R#]#####
#####<h#&"#####e,#]#####6#####3#}#q#####G#d#H2e#####e#####4#v0#,l#####_#u#X]#h#####@#####!
#####\$#7o######Guu#####p#####B]]#####^#0#w#####=Bn#####Jmm#####[[#####|^\$!#####,#=##*/#####h#####
#~#:##"#GvB#####_#y#&R.#p#T#B#}E#####t#####2#bH#####&##J#####9#@88#####B#####FhD#u#x#0#q#
#####K#####Y*#e=V8#####5#+#####F#####TUU}#####|>#>#####m#####8#####'0#n#}#:#R.O333---##
UN#####IK#####q#####y9m#####pcc#####V#"#####ed#nU#fsM#####l#	#q#####\#####}#####zss#y#####9M#####
r#S_#?::#####=#L#####L&#####bdd\$#V#x#K#####.#####n#M#v
p-#U=B#J]#y#dii#####0#####o#####q#Y#####}}#####6#####6k3~#####~tl#>#####X#####)#####i#####&#####
t=##rR0M#####
#|#####>K#####;#####3#L#'######*#####/1vvv;;Q2#####B#####u#####{#Z#Yne#/######

z#OGG#####Q#m#_#####|#####'###/###-#####:##p#####5#WWW#]#####)U#####K#####iZ4#####lb#bl#####TC#####
##U###;C#####5#g#t###G#####`###l#du#<r#####k#####(##>##
##/_Z[?|##`{'#####LOO#####y#9;#####6##[#####V"#####Y5#####S#####
jc#####e-##P#####t#ND"a{##*#####vB#\\###\$bi#>}:88#####o[E#l#F#2#hHS#####c~~##E###\$#*#####9#####l#2#@o9#####
ZY#####^#V#####|##8+#####8(\#####(#####8#####."#####a#####E#Y#\$#)#####zN5#`#^#O#3#####
!##9#_#####@#####6#####KM#O#####)#####s-#####9#4#####\#####A)F#####%###G#####_#\$T9.#####
#####l#####"#####e?#####v#####^#####@#d#h#####A#####e#####>#####/_p#####Gq#####=######./rQ7??#VK#_#]#_#####
##U###;C#####u#g#t###G#####`###l#T#<#!#####r#####W#####d2#####p8###j/#B#"#H#####omm#####kkkmmm#####
t=##rR0#C#####Y*]\$v#####&0#####e#####6OB#!#####x#~#####.\\#0<<#####[E#B#9s\$#####F#d#####/--AY#
t=##rR0#C#####Y*]\$v#####&0#####e#####6OB#!#####B#!#####B#####0#C#h:##2CE#]#####L#####}#J#####wt#####f#D#####B#
t=##rR0#C#####Y*]\$v#####&0#####e#####6OB#!#####?#####.###|#{#####Kzjo9#P#=#T#B'###9,#####C#9#####mL#`#
##e(G#####)##-#
#####D+##b#p!%3P#####{#####`###k#####+S#####ppf#####p#B(##R#####bJ#####9t#####N3m;p#####C#####W#####"##@#A#%#
8#####"##x#####ke#'#3S#####E#~#####l#0#####DO#####B#EQ#####VL)5:n#AU5#####ô#####=#]]#K,##d#t["#####Ka#####
i#>#l#g#i#f#####L#####3S#####`#f#####)##
#####?#F#####]#tt:##p@#N#####P#Xo#R#####TU#:L#####0+##C#####W#####"##@#A#%#l#{#####'!#ad#####f#####
#X#b#####0#%#_#L1P#####5*#####:#####P#Xo#R#####TU#:L#####0+##C#####W#####"##@#A#%#l`#a#####
3S#####`#f#####)##
#####?#F#####m#up#####A#(J#)#F#m#####}u#####8aV#####t#E6#l#nK#####r#####xl#>#0Sdp#f#(Bz#@#####
#]#6#####b#'#8#LV#####6#-O#####=#)0#L#####LuB#Xev#####[/&#####3#y#####];Y#1#a#P#\\#
5E#\\#)2#+#####B>######z#####>>x#####h#A#####e#####
T#GT/#}#####[#####?#|5#####:#####T#W#####8#K}#####6#<#####S#####8#####G#S#)###.#####&#####q#
##p#B[#####R#3#_Yr#N#\$#~hDMI#i30#####dg#####4#L#p#5#F#8#cY#y4#h#!#U#~J#O#)##
#8+##5#Z#####s#nPS#/#|>^#l#(##Rj)#ee<#####}#(#####E#x-#####*OK#i#####l#JIC#####GVw#####
#D#"l##=####H/_#####cZ###:##v#####
#%#####5`#####u#####7#####a6#####/o#####p#L#####v#####<#####'##b#####1#R#2W#q#xf#####
#####0uK#####3E#Ô#*zr#QH]#KXh#.######|7#b#####*#####5}#####LH#####_#*#la#;L#B#####BJ>nO#####("##
Ew#Y#U######,#\\#_#####<#8kER#####1#@#R#####18V#b2#####.}U#####d#####ShJ#0Q#4y#6(#####d#####
Pc8#####U#####>Q?#.#'30{xR*#####`#`#####i#####fZ:##*Q#####F#Z#####2#j,##X,noo#####BI#####@#####
`###`#O#-#####(U#^C#.#=u#####fW#:#!#Nb#####il#####|#####7#.######h2##=#k0#####h#Y#t#####-##R#fT2#####b1#####
##D#####/#z=~a#"O4#####4#2#####Nfj#;#z#|u#o6l#zF#####nj#####]##Y#####C#####t#####F#####
#,t<#####v#x#####|<(V#####m#####B#f#b#=#.#G3#-j#6#Z#Fi#b#N#2#####,#
#2S#####x#7#n#P#####M#####6#v#####!#####W#l#v#t#####+#####cr#dx#####P#S#5n0#####*v#####
]#Z#####
##d#####=H#####l#ôO#Rlmp#####U#;###,5j#Z'###0=n#####7#####H#gD#####-#####>#1#qB#0>#C#####

```

:~j($K#B#t#j#eE
$de\,###D=A($##&Q#4C#TC#Z####Y,<L#_###jcX#/#t#u4S###$J#####]###
>lr####H#d###
#~#^b)V#####TAu#####8#\##=f'###f###:##j#\##h}###md?^H###_###$####Agp#n#####{#####p
R##=##/#####Y##q[#####U8Z<ef;##(##w#####a###3##w@u@#D#####/##v##*#P#####`##w#####
#####J;##o8:fb#T###t##y#####L9F#####7k#####fz`#6u##>#####>##,###z#f#P##|#####H#####k
,##h###D#J##^#d#E##WQ#####=#f#####i###E#####9#####|!;#gGQ#####2w###,##2f
##8_#####{##!#####/[#####q#.]##(###Y#e#V.Hz#####\j5#####b0,2l#####g{/#.#_#W>#h#####c
#GC#g#####(Uw#####X#####:##:##.##xjd#3?^yy##7#####x#####$##\B#####5#km###A#####2###[:#####
B#j#####Bw}{#>#G`##-R##ni#K##v##0#>##[Z#PiK#u#D#6i#(##8E#V#####Nol7###[##$#h4u#u,##<$gM#=#
l##q#####o4#^##)~##S#U##[#####]+#####7###Yq#####l{mT#####/##-z#.#O,##r#~tC#X
d#####r#y<##.#(##j#0###Xc/
###Sdlz#w###q#####7Fa###Z#####k#rs|$#####/###L#x/#z>##w###zt#r#####_O###O#:#XV####y#yw#Y#####
&#{#####"#####S#####j#C8rW#####Ge#####z#####u3##
Bkhq#+##%v#5]#h#1#z#asX3###3c#O###'##)5Z#v###c#.$#i?YSi#####m#####G#drq-#####w###P###{c#ΦÕ#####
##E,##b-6##k###M#####)b###E8###@##!###AX##d~#A###x###YM&og#a###>#x#svc#(|x#####@#f#
#####s.#####T#9#####daf###K#G#####03Uu#%#####
#####s.#####T#9#####daf###K#G#####03Uu#%#####
#####s.#####T#9#####Q#####,LU#sl#(|x#####@#f#t$#####u#
#"#x###q#}##^#>z"^#####/E###z###p#/rt9^##)2#|##\#####0~##?#*#####N#bl#=#y#f)
#o#####^#j#####|}_#####E#####;w5#8#####s?#mK#f##!#_#####03Uu#%##_#(##t###/"#p#v
##eYm#_#1Zk#T#>2#####!#
##eYm#}Y1#h###RQ##|#####(##
#e#|w#h###Z+#####D#####{{{#e#|wy#####VJE#.######+N#####+#####R*J#O#####
#A###Y=##Wz#####A###x#####^##+#Fo###-#####p###M#WO#\#####x#####z###y#m###
#####R?##n###U#o###[##[##t#####y###h#####k###Z#####F#Og###|##;#z##j#####L
<#t3###2#####|?#w~#####P~<###=###|#####gf#*"az;#cX###)w###N9Z9#~#-[###$Z#####v
#####?~##~#~:L(|###)W###X#####6#####W#r0#7#####sy7#####[#####&er:#####3G#R#0#K#|
/#####j#|FY#####5NO#####[#####'X###9_rb###[g###{##g###_J#`k##>^#####;<:#####?#1#h#####
#####B###L###)6###i###b#7#O#3#y#>#B###,iv###(f'C###b###$#####o)f#/{##"#####&'0#####`0
y#####`###M#y#####z}`1(=###[#####p&#####y3.#####j#X#S=)/>#;88t#####n4#aV#O
#rF###g#########m2
E#j/mz#GOI#-C###e{#####i###M#`0#####`0#L###e#^#G~#<#####J#<e#-#####h###S^#####A#p&#####
[#####WKJJ#j#####;bb####_#Q#####~#F3###K#####7#t###T#v#####t#p#####VVC7o###=c#P###i#
n###CR###M#####i#####g#Z#####z###4-;#I#YZ~#####VQQ#mB#v##=#NWC###::@*##z###R
y#####@#F,X#7#####B#G###!#####3#####.Kyk#k#Z#####b~HF=#g#####ht#####8###EQ.
##g&#p#p#N#;#A<l#n#om#####6~##Q!##a#KX"###,iD#QL#ŽV#####A#3NVe###b:#2###a#fTL(6###lQQ###p#1
#6D#6#####D#####$(E##M#`0#####`0#L###f'###'#####?#Y#G#i#[#2#####S[4M#)###f#####Š#qe###
#####y*++###K`Jn#z#>#jhl#####kkk#O#F######i#b#Z#Bn#r2Q!###'D#L@###z8#l#####H#####z[[
O/5~##ct<#L;#Y#####`###M#y#####z}`1#####0###P#####*=#OO#ipp#####kjj#####7#<#}#####R[O#####<#
##s$#H###2###!####~<
#####KNh#####u###`#####2$#fT#$#G###R###"*#g#@#"#####W###L#x###D#####q#x###E2#2t#X###
#\#####!#4)e"EQ#####n###:##{##yq#####<######~#r#$#####z#q###Ga7C#####'#####[##K#l@#####m#5
#t*#####+(#d#&#g#####ux#####u#####H=Qb###K#$#SV#@9#g#%`0#####`0###c###O#####r#NO#L
#####(#####/C#####t@Q#i#####W###Q#W#####O####!#0#####d#J#Fi#####!###XM#####Q#Q###6U#9mh
#####yS#####Cn#(##{#####n#####N#Zz#8#####G###TUDb#4###X#7#[#####T#&#####Λ#####r#EYW#####n
#####YQ#Ugq#@#!$#3SU#####&#<#####(##{#####lam#####e#####rV#u#Y#=#B#####
!###o#####|*#k###$##-#p#####2###L@,###X&#####Q###:y#r#####B#P*#####!#####RRJ!#CW###
%#A2#####|#-#####e#b###X###A###h#####0#####P#Q#)#####B#####[s#m#X###nu###Cl{#####|#-#p#
!###o###]###`A#####uJ#d#####n###[&#####~#####2#####;#0#9#Z#`#####j#####RJJ)#p#j###>w#####y
##Z###f#####vZv#####2#####;#0#9#Z#`#####Tk#####RJJ)#p#j###>w#####G#####7#wdddee#####
l#####Y!#ai#v#B#%zpE)P0#,'M#!?#=#5]#####U#####Th##&#PU##Ue##pC###F#Bz#>#g#c#####
#####=#e:##.#=#,#####&"#####>?#7pL###.#####mp#####~###u#####|[(###4#####
###5###~)#####v#&Fb#####eA#####4In###rT#c###P#####
w5le#####hl###PV#-##&#A###<##Se###ji#Q7H###m#o#]#%TvF#####y*#:######MQrx#0#&###&#j#4#X###L#eVP#
#####^#6#G#####9Dz###V|##h7:"V#####h#####T*#####H###<LwU#-?#####O#7#####m#####Yd@<$#MC#W#
n#####?#l3#%#-1"#J#U#4#j#w#####abt#####D#pf#####fx#####S###h4Z###Xlgo#B^X#####^#####S#3###)C#
#K#####%###Hl###1#S$8###1#lr#####T#####j62#4#[#####5###x###@#L#####Q&#?###ez###=#u#####JYP)#####t#
#A###M#!##+C#####hf#####N#YR#####:P#w#####X#####C#/#<#W#####M*#####7d#5#z#d#l7+K3#%#

```

```
4=====d~.,d~oY~y?oY{PT%~4yGWq~m1K=3==e6$GV$MhD)7=0#d|E1_OA_nny"<iii!}).@?bjjYX7ei)"fb)8j|. #O.9PjdJ#yaH1[0vT)V3jC)XIQQH,I,ZApIFG$^_+U %h9Dy#&C;`/{<h|r5'jq[W;wFh_W?>x!7[u]==5':99<2"|v{N{>s@3xaPpr7oJ V:-(p99:V8,5"F@*ka_yuR4_6!M%8"(D"l74g{umilyOOovu/ge_>mmm#'Jlyj^%)v7x}|. _>vW Dk(Mbmmhh]:4)Bx4x E>d6==osOc.?~ ,?xso b#g bP,&!o.=="\c"2Ct n m MB$b19M}wo\B,s1t1wf"R"%{^@rZE RB I s b a!&' w q {m#=#~?{c'FX)p o r p H $PN$ K aX M w (l D3{~Ö&z<Y E w Y ^ G u . n ;-= / ! B , < (^ Q k = (@ NU # w t : T & ( @ u ~ m z # D ' 9 ~ ) t + at F * 1 : htYI ? < g 5 T b 8 3 ^ P - s @ f t nj * 6 B Z ur G b M044 4 ? O d ) SSS x X , V K ! pe C l Dh n a ) 2 s , zn2P { ; _ 9 7 d ~ [ 8 A . ; 6 : e G < 4 a 5 T p c 8 3 z > [ M w 7 $ V R % 6 d < ji W6 | * p e < q < F 0 c ! 1 £ CDp : FG E 0 & n 8 p v _ ( # u b & x i k & m + p g 0 z } s C d A | { m Y ! $ ; WT 0 i w rl Dn K + * bq bj f 0 @ ( 7 - ^ Mygo S w (\ N _ Jk { ! D ZvYt } 7 UF \ 7 T | p ' s * h Z | 9 o q v t K ? OH4 h W # z u _ o = r 0 v H G + ii Ip O R = j E } xx PK8Z ! P G ( B ? + K @ _ A x 83 J ; d ; | J HT k H . zttt ] q ? r \ ! < Ah4 8 ' ? g # 5 η . _ Cd $ 4 J * A [ R @ SPZ K Q1 5 M v , m a ? + p BU x a 0 2 $ L2 u yt n P @ [ cuu G q ! q 0 L , ? q ] K + 4 X l vv i . * R V G } 2 : * " mz Q1 ) b ` Z \ ! IN ( ( ) % j HF b R ) D < ! ) % D - K ] v M K 2 a 6 p Z ( B q [ [ R \ 7 ' [ 9 u ap VT ( ~ q k 3 " a B < 6 FD D = X J ~ q D | R r N ~ } ( q ur | ` ( x Y d p 6 MT / ! K @ N N K D Jg n \ 5 ^ o " E } F9 H | m ' 8 p QCF J o 9 EI | 1 - @ ur E O < ! U T 7 ) ! 9 N Z - EQ 8 ? 4 h A 4 h A 3 ! q 0 L , ? 6 dc & 3 ^ ? v ) m M B # * FT i i B ( 1 h F ~ B > e : Q < + R g 8 Nk L T . / > ) J Y 9 d . Yz V , dB @ 2 T ~ z k i dyfDA C s 0 qq c J α J M ' # 0 ) - Q + x ] y = px : ` VO $ ? y y $ Fa a > C bf o ag C x e ( Zk a D ` & o T % x ) H 3 S D ~ 0 l ~ H # D , / u ! H TH = a } aa K ADd Qp W M Q f k t Fd @ Ah B * * | v } % ^ 1 C u Lu ; i # j AE x K [ c Z N , 6 < H7 y bc E ! & _ KDd ; yf X p G RJJ ) a n e ' mi _ f T c Y x - @ h O v _ ^ * & ( v ) ' u 3 . v wg 3 ~ mm JQ ` @ Nps c w o ] J 7 X k ems C qr < q G RJJ ) a n [ { 3 Iv k ? i ` ! B { o 9 ^ "" z RRJ ! D c - " KDD ^ RJJ ) a a DDDDDDDD ; Z { UJI ) ! = j ( ^ < s : ) # n Qs H & Em X { 3 P } Y t U | H > Kg Fk { UefD V A | X8 W < h , i = C ) " $ ! g A A A A j * ux f 9 ^ d * > BL _ x mk U4 h u N : L y == 8 o p m C p x - B j j Z ^ A P { } " $ ! g A A A A j * ux f 9 ^ y ( g 80 O { b - uz f > A " Q uye Y " , j h B E \ dz F Z ` " T d VEE sk { lk u c n k s K : Y / E ( ~ w } M O 91 K 6 o P 8 Q [ d d oUTTq : w e 1 > = XiWw7 c N ` } ( u Z q W { { o C } } ( > c k 6 p Dcq \ QA @ ? # ? 0 ^ . W = / : ' m { M ? } w { Q v MM7DQ v p v f # EZZZ : # : 4 < + ( V
```

```
sQx_>=>hkhk=ttq`tt+WwX_{fw`eAA`h((($<b/[[]~j)ddGrrW5`H$!!!!!!UTyyyd~//~S$$$$4MQ||y^AAA AAAA vC2888RRd2b1\\.)KN"x));;Gm]U_w_Q_8v_k4}4:S[S_]!!!<r>255%HR_g~5^VPPN$|R F>79oTk};4'O?????[_:_:]Ao__4MS_E_d-G_A A A 9_a f V t:D"h h4 N T'0fAAAA!^/V U./--e>C-e r *++ )4i XR?.[RR"744<<l e p G6V j wEP`GFj_A D_V R B ]p _a_*-! q Q _JJT " oK $ v >=_ x7 ` G 2 ~r l , T * ^ } h m m R d 2 b c c T * ] ^ 7 : N q P Z z ( q q J T \ u < | C C C yyytOK_hZggg_f3*_z i r & ggy ~ [ Z z b v Z < g 3 7 o 8 N Q 6 $ d > @ KKKkj b X"s: _ _ H 6 6 V r .,-1`6_y_t k j o t j VN Y g}7 9 m => 5 ~ lw s V F 4 (,,+ + k j J & Q ~ TU".c XMM 8 7 7 7 {cc# + x 0 4 l / , iii)**ZY 7.6 1 y ^ysP[V{O ! k 3 Hdr 6 / Fc]4 ~ V j.y 'y R 3 { x H Ne :UY b D m a | 5 Y (Y [ , BUUF 1 ?? Y ||}} x F"f X z } j Z].->L& WXXH( v qee% & < g o 9 8 + C I #, F ? K F 1 R & > N 5 I h %ff**9Eo9@lwdc@Hn[8hBR(13SU-z2{'[VH %ff**9Eo9@lwd@Hn[8iCR(13SU-z2{'lv$3 %ff**9Eo9@lw LUE$G - Q lv BR(13SU-z2{'J 7 %ff**9Eo9@lw N)#$ 33U Grg @ H n [ 8 Y CR t _ 8 O 48r[cqq]|7LUE$GP(WOB!Bhqd=[V X,v_m_x<]>p_Z_z PC_T*\vmzz_u1_o>%+JD (_(^_%HP UW W g U*(R)"EQv=vooOz=N M* 5d7nC_U5_r JV}$YDO]RPsb aM_J]"%bb[X}bbK F_c_l9,q d2i!&&RTHQ*qxggg{{bn}hh4H t:B l 8 x< MEz'y dd JOIO Yyo}mD dx LL EI Yr7>T*ER D'i-,CP|B%9rG-xU5l f # ** e Ri o ]7rl |rk k qssSE T* 9 Zccc pr\hd202I9va -vvB78eSI`GG^J>k E !!!]X+OO 6 JJ -,RJr6[dxBZW*ZvrR"3K/~W<i_sXHf'L|Y%m)} 6 JJ -,RJr-j2<h+JV;AB_s_XHf'L|Y%m)i9AA8 o$3 rr "" qq s_XHf'L|Y%m)i9[C s! o$3 Vr#CA9 ss7SULm-0""4-AA 6 JJ -,RJr:~ AA8B9c,GLV o$3 r !! GG 9g]*d~-TTUVnaRA d# h S{``#m)i9~! GG 9g]*d>FZPC_R>s/A AJ F } EE/j W+ P ? k 3 g i = oy ] @ IK q b WVVV % FS<z-_ _G HK 5 O { } ? { X o$s_q 5:j/JJJ{x^ryjj ([)F?WWmTiEZq)7hQUAI VjdrrUU{xWZDLha5VY_,?-LL}i40}w67logcf fN_h-B8~ng sKDVB\Jvzs677{n ff 333^zp\&&? jjZ* sKDV%%+ikkkkzzohhhhfffmm}^JJZ_k9 RR f ~ZA;>whnnllDD + Gan %%q 666 zz TJ_j^}R ff e PP @'? sKDVXJJ_vq oo E_/ \\t tj ~NNxx/k}ajjNX d Gan Vc+"1Zk TT NN&-^^~uuq R* IP @'? sKDVx""VJeMV JeMV d Gan OkVBD cc J [*JC(L(-q` uuq R* IP @'? sKDV yyJ8cZ)a6zzGo(%[{J8cZ)a6zzGo(%|[Zo b RR J? y R + o o Av ; s w oZNzmjl dl YY &'k 9<qLt!:#AJ]- (" RJJ)co yK< WW;8:>e [|>e"!ZLL,c;n;y f c 0!)%BB7yyz C (" RJJ)co yK< W vv[h2]B|-d2A-X&IkmlL+(IJ))AA-k
```

```

00000000<fif?w&kL2-d-2AAL,D::e`!rl-pZ[9oav@R
' RJJ)cooyK<WooL2--d2AAL,D::e`!rl-pZ[9oav@R
!dd<f-----dAALE,,e`XqV}eXLRJl)}2oi^3iiR
||CL,U--O O3.c tqCL,DNZk+m2}&)B>4C
%p#1l9OTBr%.Lf0OFh?+RXp[A8R<\Z
}K-z^>/;06o|}]HARD"~w@D LMMML
rrkbG\LY#/K]kAN;@uu<NV[K{!1MQi11NVn6
Nw<6$gloh-"W7*SeC*sZYv N UfNk2Ssj@z2Pb>6H
!+++++P1ps-xQfÖE
B$>3[C.Rhh *wi&4q2`]AAAAA-ff"/~
?jG>N/R/T"=====?w(<[r,yH$=
qb0^1aaafquFhvv/wa sU4RZ]^,Eg
kit:4"G?[Y{*H};~os*/LXS_p d
FH?V=kNriP)!^h0t5;B*0i1Uca=tgJBttN&Tz>
PPYf c
G\\Q?-~]CKKKuuK,
gτ+.qx<c_ |N.$dtASRW{nB:9?:
54T.@5CmmVP1@:>WU>QQ;|6VjfvN<J70ufg
qEZOPhuuLYNRwq
sE|:Q'5+,NSOKVM_'$PK_16L>==|''T%B
nVRI|jj|7#d9<X,:\\~jnwn\\{UU
qg4jj-ljb0ii)CS9
v6ZZEI||z]f,!PXBBB$<_o(--(jX*OOOil
F}NHk=%NraEa2WRqrSj.l||l|l0cEtbb$y$CQZ,PQ==jj
>cJc[[^JH"[wu`!Xv#qq%uZDa)k1ZkTy
>cJc[[DvH"[wu`!Xv#qq%uZDiul\\Z'cZ)U'I~+(
oo>g6_ddbdBZ'cZ)U'I~+9%%km%)k1ZkTy
oo>g6_d6^VVJJJ?}/mq%uZDiul\\Z'cZ)U'I~+
oo>g[/^z++^*yvjiou;qbo,[N[|ll]{%ay
-!!WW}e0`j5q>URoQ>d,,,4:fW488bXW8ss
v;k{<d( f eg FQ77#PN(LBgrrVEzz;\\YYxx
BZz3 @-[t\\-?11!
(/E5=.b,--x ff})Xjkk/%"}KB7()t\\E6 ;/74|-2
DDOv?vvS#vUt__RDqlRR
nvva<6MYpW&ZVvp\\%||@0fIMK~%m,.9AA;
@3->33_5:XxF}HNv vMlm$v;;|sk#2XIJA L+
xx8Te+vrrcc^YyNGz kxx @B"M'at:mK6!%HppCC
Fj5q>URoQgr@wtL(*){>gKa
tt1EEc0E=0 @y @s7&6GBSAZ.v=O)!E'n
;v=??B!B!q0-B1)YM(#t&l|l6K[t]|nr tt]eYv
0<:Ay] ||B!BC#$b0X|QUu8>y(gg$*0CCC];R{{|
~!534rj||y\\a|| Mq.Vr}gFB!B!|jE1|)|dY
MF\\gIHnn e RR&3;Z]=bh8L5^_/R
'"u x7s ddjU1< <qX[]B!Bd5$&Ss0M"kjX[]}?
.. "tt(t[])A[]|B!B C#$b0|/ ;zV(q))δ,K,S
MF7)M>|p| @([)#Jq
$wlr!XWoz m d
bb3K?_5fhHve-g hccc<PqqX[]B!BF(&%l`$ ;
!Boo>f*****ODIk{s%"2l)%B$""|DDDDDDDT4,'f}s%"2l)%B$
!Boo>f*****ODIk{s%"2l)%B$""|DDDDDDDT4,'f##s%"2l)%B$
!Boo> YQ}}?GG~7---K{OOd/6TT*NFAZZ
azDD&} [9:CJ#6=l5_o1Xj-&qk\\5(|6MM~
dKu[N]<|VWWW~kkk:.%<z]'kNBq2d?7?mhx7uODIk
!Boo~?5uqvv::K]gu V(JA4jjef1D"A AA&b
ooCsCCss e/[UH
500<.1kk7*:~^G<dTTX' '#Qg""/XEZ} ;;*
\\~qp8'0'$> _ -z~T.|ekww + ^{?' '<!jj|ee?$HBxO-
WWWPP.U>c&j=!!!)t,((pb79ppHH #12
8qll.;
```

"#####

#####p#####!####Q###"1AR###a#####2S####qr####3BT#####
####\$%&()*'456789:CDEFGHIJUVWXYZbcdefghijstuvwxyz#####
######\$%&'()*'3456789:aq#####ABCDEFGHIJSTUVWXYZbcdefghijrstuvwxyz#####
###4##|"#####iFWk#####6D#####
#####NQ#####o9Jpk,#####D###*#####T##,LjJd#%###3p#####X#####xJ##Z###)###ISTk#####O`#####[
ST#####jt#####VMB#####)\$#%#e=#####qJ#####BpK###kB###J#[X][QJ###'K]e#####Z###m*[Vu],
|'#####[%]#{C::###W#####CV#####%d#####N###T###@o###%OI###4#####`#####
1#x###<####@#####<G^#####}#######g#####~y###F>#####u###?<#####g#####~x###:
1#x###<###'#####@-J1#x###<###'#####@#(#####z#####6x###<###T###g#####~x###z#####dR}#'#####g#####
#/q*###;W||~Ct#####w#####7@#/q*###;W||~Ct#####w#####7@#/q*###;W||~Ct#####
#YT####(lpi###KVUgl#gJ###YUr###~T###KZo###&###\&###k5h#B#m={#N#|#####s~a###>###UU#m(#T##|###
P#####5#####t#####J#-X#*rY#Wf#O+#####Z#|F#4###V#T###PJm#Vw#####h###Us#####R#P#E#J#9#]<#3
###VU###Z###X;#xm>d#φ#####)e,E:###IJ###|###s#g^#####I9;\$#M#^#~J#####x###l:#cE#T#,#####|J#-7d#}#.#####
#####>qJ{#####)###R##>#####qJ{#####R###)#####>qJ{#####)###R##>#####qJ{#####R###)#####
#####[E'#####O#####ZF5%YW#)###Cg###IUT###u###=#|###4#####u#####u&#####5b#j4###9###W#7#{#d
#M#####6###O}#####]*z*r#####9#8#####X#GU###rJM#.#{###J:89###t#####t#S#F#"###R#F#
1#####*IBim###,#####c#1U+#_#8*x#E'4#G_V7#####w#];4#:7#WSS#O#X#V#}###Q|###kz#####
###P#Q###M###Y###+##oB/#y6#####t###2#,Tc|EH(#7###V###E###7&<#####^IFN#;##O}###"###zy###
7#####n#####WJV#zKiZ#####f#####s#V###b###5#|d#u}#####0###c#u#d#Y#####9
8#####i\$###z#####q|#M###|##o#zS#sz#.###N###R###h#0{i#J.###YBφ#####+#####G#####GYS#####+
#####_2#i#i9'###_###A###g#R#!#)u#Z##)s###B##)u#####t###6q|###)u#####^###9K#####@#####rEr#
#####C#R#U#####n###/##T###k.###9K###/##,##]d8#.###U#+###Z*#####*U#R#####4#####r#Y#9K###V6###t
#:qn#G#H###Y###.###r#Y#####_B#T###d#|r#Y#9K###U#S###v>###{#}###.###r#Y#####}&#DQ#U#R###V###
#####C#R#Ux#x#.###r#Y#####)u#####^04#;#(###'R#Lbi###i#####H#
#####{#A=#O#W#]-U###u]####{###Q1#####S###4###9#####[#####g#####NE#####(l#####P#\$#
#####H#;kj###:#####]#~#####04###%OI###4###N###T###@#####H#####ie)F###M)\$#]
#Zi);NN#####!+=###f#?Nc0#a###Ym+V#####a#*#-G#8#F#####F#^U!###\#####n###O#|#####
###-J#####+k8#####Y#;#####m######Z5###pQ###4#b#2###8###h4###Vê#####4###s#M_sQM.###edo#####
#####:###-l^*###mf#####]6#+###"<#s#####V[Hb0###e###Z###k###ek\$#####h*###R#####U#8`###
#s#ß#Eq###z###x/l#####q#o###?8q#o###?8###ZC###|9#È#|9#@#!###a#~#####a#~#####0#?#~p#
C#####|9#È#|9#@#!###a#~#####a#~#####'C#####0#v#J#r#9wi#m[#####R###a#~#####a#~#####SH#(c
#HQ#a#~#####a#~#####<M:#####NJ#;+]#F#####R###o###?8q#o###?8#C#O###jrR[#Mx#####?
#Hc#o###?8q#o###?8###R###5###<,#r#\#\#c###~a*[e#Q#*?####H)#####VZ[g###@###=qio]#####Q#l.d###
m-#####PiLy###[g#--#####_83#t,##j4d###N#v###.b#####F#
ST#"###%#mt#####Kz#####vz#c#####e]###+)###]-####,#####zQ#ON# [??vgZ[g#--#####.#####J#"#####
m-#####P)#####Z[g#E#a#####K4#d###k*#####Z[g######^#####C#*TWf###5hl#.
#9E6#fv#L###|&###J#8Fm#F1#S=#I;#####Z[g#>'Eaq#####7x9F2q###Y{#####iVT###V#c#####v#
#M###vz###=p*#6#####Kz###î###'#####l###=H#;#####FT!###s###T#####3#-#####SA`j#JT)5K###
m-#####P)#####Z[g# @#####=qio]#####Kz#####vz#T
m-#####P)#####Z[g# @#####=qio]#####Kz#####vz#T
m-#####P)#####Z[g# @#####=qio]#####Kz#####vz#TX#h#>###W#
#|T###M#m-#####S#>#####/lpz###'###qZ#####Z4#####\$###wO:-s*###=qio]#####8YV#gJ###h#V:V#

m-GB`^i4"J0IRJJO)(1Z=V[g=4)(wP|R%k?v^m-
m-P)Z[g@=qio]KzvYhBU%(e|k|B|Oj#k\m-
m-Q>aG^iK<z;X^H>p#mJg'R.s((ezy>=#^PV9
y7V4=6wqi|fyj?RUV8+#{+@{Q^gZ
|n2Jl5+6Fn\]t'd4n
10&/Q75unJYJUW=TJ*+;+}3bc(Jlw;{1b?Rw
yreJN7\%*J2J:VwKsGa|v|jPP&g5Uryv|Kt|^3m8a^J
1jJMt>K75H*:=Md|u|w|Rgnf4XMVULFzD
.+Ml|= [+lO8F2m2z7&5!V)Rw|c@`&5Rw\U|Kt]e
*GViRPP?NPJN:|8;|+>|nsA|})61RU'%=x+m|h|n-XB;Zq|v|S*Yt
>h7w|srK8s\$|{,bD]/5W5<5+N¥
Yv1V]<iueYv2Yv1V]q|c/,c|ue<iueYv2Yv1V]V]
,y/?T<*|,y/?T<|/K|h|l|3,y/?T<|/K|h|l|3,y
p|l+65:[4E8j)8FqnM7+>ie|nxT|H|K|E1to|)(ZM&U&+kp{)
q|yG|X|=R>?C#|/(+z|/%~G^PVc|H|K|8T/q
Rw|s|i|t|xl|b8|qUb]6z-ZVp3^hX3n7M]0vn
&^>tN|i|Q|U|N[V|K=NQ78f|fi!7l|j1^C,>V|/(|+jxr|F2Q1V|Nn
^S:z|k|z5Y6#%|t-9(|V|n|e\$1|G|V8|m
b|S>17~|t
O|=o|u~5a,|_kF|Rv|iB|g|UmE|BT|W|d|u|8|[N|Y|n
mF|k|w|m|xY>-+|jxr|cj(|i'-YY7!<[~|{f.3y|_|)
ZO5|mVZ+^U|Y_eU|w|[<i|s|Q3j5e|g|A6&|t
u-k|Q>|lg|o9-7<f96*j|z|q|o
1Y|sC1J88Q\QNM\y;D*|Y|;+R|W|v|i;{g|km|nl4|i'|e
at#|kT|6S8;I|i|\$|{X&k|D|X|aN|r|j&k|f2}%\$D|RZ(|[Z
|GDz
|x|E|]-q|\$|c*|f|x|Z|Z.|{>_d/
cFr8E'fW\m|fi14g|=V|mDZEb5G|Jp8Y9|R7
|.c"S|E|[^?x|i|Zm~|9"=az;cSg5pF_EJZg
v|p|K|&|l|\$|b%|xW|+4h|KES~(|8*|t.wJ|,p
endstreamendobj37 0 obj<</Filter/FlateDecode/Length 1581>>stream
H|W6}|W|T4l|l|@A!_vbK|WN|P|ol|E|Ù33|h|_c9m|j|i|r>h
#ma|{eu,0X?|l|T|O|l>hc|n)|0T|V|p|B|i|[QaLB|D<U
v|W~^t|U|c|gvFgyD|Y|x|7@|MSo:W|{H|H|{bt|P|Y|P|g6|0A|v|
E2X|!"|)"EQ|L\Y|S_|Q"Q]|%~5:|'+^2_|U,5
r|.|.\Z|"g0a|P
F|@|?|#d#c#T|d))#Y*|1)|p|J9!W|^1S|z|t|";|\$
r|f|+>c|k|>Yzl|;~J|a|OX|V|M#Q|T|
J?|m|o0Z|g|kXn|s)gG|ap4%|B|O|++?)Kg|-n3X|aN}|/|V
zb|}1|:|{|d|<z|+
endstreamendobj38 0 obj<</BitsPerComponent 8/ColorSpace/DeviceRGB/Filter/DCTDecode/Height 608/Length 47146/N
Adobe|d|

#"

k!1QAR"2aq#BST34Us
Cbr\$%&'()*56789:DEFGHIJ VWXYZcdefghij tuvwxyz
!Qa1ARSq2
"\$%&'()*3456789:BCDEFGHIJ TU VWXYZb cdefghij rstuvwxyz
qm?%|;-o|n|fi|a|o6Q6Q|*4~*K|W|(|&|)
5uy|s=|loN|l|a%|xv|xv|
+m|Br|&|{t|{<Zbz{|D|{|+u|9E="Y|LR+OG|V|G|k|G|k2X|G|k|G|k2^
bq
U.|t|\$|/e|se|š|x<+d|U6-WU,D5)^J]T|w6
B|Y|G|%|K|>|rw|eO|l|r|E|hK|U|R|A|/_i|Suk|i|9|-
c{k|s!|rw|eO|>B\|S|!0|"V|t|NQ|n|+Q=7V|e^|ExE*|R|b|v|i|Y|G|%|K|
A7|g2|O|'|~q|T|C|%|K|>5|l|JqYc|e|k|=6Xe|:k!|_|Lomr|d"|!N_|L
A7|g2|O|'|~q|T|C|%|K|>;|i|Y|%|K|>|rw|eO|N|c{k|s!|rw|eO|>B\|S
A7|g2|O|'|~q|T|C|%|K|>;|i|Y|%|K|>|rw|eO|N|c{k|s!|rw|eO|>B\|S

[illegible]

■k9■G■G■sv/■y■n■#■#■F■D}D{■7b■0*Q■_■Q■>■=■
■E■J■I■j+m■x■,■zc■T■%■H■`■
■M■+■N■K■'0■^■j■Y■J)■s■:■Z■>M'■V4■N■7■E■V■|■X■:jzi■8FQ■>■N■oK■4■
■(■*■J■f■R■S■I■:■f■t■:■N■=■5{■td■k■1■k)■i■T):R■()■5d■k■3^u■
■ζ■S■mN■j■*■:■N■5■:■P■,■ju;P■v■B■)+0■:■N■5■:■P■,■ju;P■v■B■C[S■
■=■~#■_■g■v■y■}3h■J■-■hzW■}■:■N■5■:■6■/■c■f!■d■X■H■
■)■EZ*■&■]■#[■&■
■J■*■.■W■J■M9f■2■w■D■t■Tp■r■M&■C■W@*■J■(■J■7l■`2■Yi■
■nFK■*■u)■j■!■,■l■yN■o■n■G<■.lr■_■6?Z■S■{■Y■}■`■r■1*■Z■
■4■[■]■YO\$3■|■j■K■|■W■}■O■U■Ucl*■s■5■5\$■m■o■.■i■T\$■M;■
Zo■5*vy■\■]■BJN■|■v|■\■-■k■L■w■<■2■5k■Te■Fm■iNY|H■9■@b■J■c■
sU■UE■Qo5■d■{■|■L■5■9Q■1Y■x■2■|■jA■iil3px■:F■Fq■PjQ~■@^■-S■%■.■_■\$■
■.■;■P■7e■'■m)■{■}■a■e■Y■C6q[■@■j■9.■{■cPw■Qz=■d■|va■
■jo\$■ei■obOn■~■R■A■X■Z■Y■/■k■ab4■Y^■3e■i■7■|■{■q■.OJa■XwV■
■WPr■\r■]nTh■T■mR■y■d■mt■N■z8■&■Q■Rn■k</.■n■6■-■%■|3■J■@■)■QO■
j■|■\$■~■*■?■Z■S■NmS■t■Z■~■#■p8■Q■Jrq■g■<■k&■9■R■zRP■ZRn■.■cr■
,■\$8■x■Hq■>■|■e■O■x\$8■yx■>■2■<■e■O■E■{S■2■^■c■c■{S■/■G■
,■8■x■8q■>■}'■E■{S■2■^■E■{S■2■^■|■e■O■x\$8■yx■
■Y■8q■>■p■/j)■*Qg■^■ì■E■{S■2■^■|■e■O■x\$8■yx■
■Y■8q■>■p■/j)■*Qg■^■ì■DgJST■2J■Lw■e■R■?vb■!■R■e■">■D■D}■
■"T99■X■
■6z■S■H■Wq■r■{■m■h■#■4>■z■s■N■\$(■\$■m/r■x■L■F■y■#\$■6P■SVn■
■&■9)■N■_gN■"■G.■RFQg■&~■.J■X■V"■Y■9IZ■u■o■B■1■D■;Hb■
■UPM■;B■R■\$■a■W■3■#i■_■@■;■8■?■asU■S■RR■3■+■|■|■=■BU*F5■`eN■<■
J*■b■f■d■4■y■t■!■i■Fab■mVo■
■r■Pb*■!■(■
■o■*■T■-JM■R■x■T■2■IS[■D*r{■S■jj■}a■4■rN■3_W■cj■S■R■J■QqY■leJ.■
■Zq■y■UF■m■9■{S■W■m■{-■o■10"■FYb■mVo■_■\$■mIMv■
a*■Q■~3■R5■Q■U■2t■(■O#■w■"1■0■XZ■e■N■gbj■=■bt■D1\■W■K■jnZ■U■7)eyi■4■N■
■*r■%h■-6■j0(■"■_■Sm■mq■Il%x■V■{=■%■0■p■tpT■r■Sm■^M■e■6■w■E■S■
1■\$■/■[■L■r■_■+■q■g■U■75■m■K■u■x■{DsF■F■IN■2■<■PRs■'kl'■i4■|■\$'■
■g■8J■*E■jA■*■)dK,■m■kc■,■_GR■(■t■L■q■n■Q■R1■UU=mH■y■m■,■=■
■%k■{■1■z■V■c\$■[■Q■*■>2■3■x■_■5<■3■[FR{■Y■V■
j■i■Oz■g■?>[■PJ■1■*_■C/L)■R■5■{\$vGr■}f[■,■G■(■n■z■
■9■u#■U■oF■1■^5&■%■~T■
■|■[■:■G■p■N■j:■\$■7%■TsF■Y■r■R■h■r■V■n;Vd■[-■X■[■
r■p■[0)■V■7■9sJ■3d■s■T■il■^■v^■7■z■#■}■G■
q■\$■\$■*■G■p■8■Sa0■5■,■7t■)■*■!9■,■q■E■JJOdZO3■p6■>■/■
■UU*■N■x■n■6■%■O■N■T■C■,■xl8K■'K■/b■xl8K■/■xl8K■'K■
■k■T■Q■E■3■y■V■+■F■i■hT■mNT■Z■or■=■ECFJ8■%XRt■
5#%■'■RM■lmy■]■Z■:u!Q■V■
■Z■L■[■U■S■>■<■c■*■b■JtcV-■#■qy■R■H■h!■N4■)%■5■V■
■x■N■l■=■0o■JN■y■#■_■F■'%■J■<■M■U-■O■RqTu■
■xx■U■V■T■d■x■On[■Yx■7x■OT■gN■,■7l■b■+■y■#■B■k■Q■5,■O>O■.g■1■)■J■
p■e■8■:■S■R■~+{■\$■Y}■V■c0■[■B■"■|j■h■W■;■#S■+■`■jS■s■N.■^Y■
(■U■"■-■c■(■J■-+■9f■d■+u■l■@■M■5N■xRQ■
x)■s■[42■\m■=■E■=■y/■u■u■^=4■Y■q■Vl■(■9]■sE■^■e@■s■9■
■.■j[64■#■u■t■T■r■x■_■Y■WR:■K■c■J4■'R■O■'■l■NJ6yakmv■,6+■l■(■4*■
■w8FJ-■zN■kt'&■g^■l■N■%■f■Wi+■n■_■t■(■ACs■O~■d■_m■F■9GY■F1■|uF■
Q■r"■e■">■CU■N■<■G■*■S■5Q■n+■O■MMZ■^■ch■:■CU■N■<■G■
p■wR■cK.■s■R■/■<■G■4■t■7■0■U■9J)7%8■7■rK3V■04g)j■|■%7l■(■+■U■5Q■
uQ■<■P■Tx!■r■*T■R■[■uq■=F■7■5:s■\n■l;■|{■@■j■Tx"■N3■MWn2■]r■
uQ■<■P■Tx!■TbiM■m■;f■iF=2■Tx!■F■_HJ■st■,D■i=■(yG■4■
uQ■<■k■'8Alr■)(■k■t■s■=)■4■x■r■i^■h■]Tx!■h4■lu-J■*■Rpt■6d■
uQ■<■Q■gV■J■qi^■:■F■Tx!■B■<uZT■)J■N■(■sk,■JQ■{■C■x■*b■~■Q■5■-■v■
U5■R■N■<■G■*■S■5Q■Tx"■:■CU■N■<■G■*■S■5Q■Tx"■:■CU■
■VE■4■o■V■U■\■<■G■5z■[■:■+5)P■,■N■v■m■U■j■)■G■E@■
uQ■<■Q■.■+■fç■<■q■_■=Tx!■D*r■Z3T*E>■\■i■]d■~■|■W■a■i■Y■Y■G5■

8y\$ h u_` u_` jC V*-Kt9%'JN m o] rg V mS v] y W9 W
qrN<[kn q[K t NY(v YF i - Qr H8F: i N i 5 < \ i U x Yk t
. ` < 6 - M B j RKdw w R ^ N q a N 3R[d j [: 9 ew[3< ^>
χQ Q U Y =x x =x x* > G Z G Z W gè] è] , u } k xu } k ^
N / c f! > K X `
N { | _ b * V / £ K 5 oz j j r K φ l (U n 7 J N 9 " p Z + \$ G + c
& y 3 m Ñ e R 9 M) 2 3 ~ , \ d P J Z N 6 | k ^ { V f } . Y R S \$ j 3 N E
s J Q K Z 2) 9 - Q U ^ J Q ? * j O _ % z R S Z N J r n 9 m w * b + x | = e +
. 1 = v m - - F N z p y G , c = % g m s { v k U a 6 e e t e 7 n u Z 7 A a L r k Z R k } l {
t / T _ K R N r owl _ m N P [M f j F r f T 4 ~ , + + b
 \ ^ 6 k ~ a y C y 4 8 j S M J Q \$ ' (p > / j a f + r z . 7 j S % c R z } Y
8 X
l h . + S Z : p q f [6 f (B { Z ? ^ U i Y i q v m { - U , 0 u S S [o {
 ? ^ T \$ e J F x L < 8 S b l 1 q L O . m 9 q } 30 Z ~ U F I 55 J m 5 - i
endstream endobj 39 0 obj <</BitsPerComponent 8/ColorSpace/DeviceRGB/Filter/DCTDecode/Height 608/Length 46796/N
Adobe d

" #
u !1 " A Q R a 2 S # 4 q r 3 B \$ b
% & ') * 5 6 7 8 9 : C D E F G H I J T U V W X Y Z c d e f g h i j s t u v w x y z
! 1 Q a A S q 2 b
" # \$ % & ') * 3 4 5 6 7 8 9 : B C D E F G H I J R T U V W X Y Z c d e f g h i j r s t u v w x y z
M \$
U u 8 Y < 4 d U u } 5 W z l , J p 3 c S I ^ 4] * 4 h [J w U Y s '
g # G C < = b 7 e H \$ F j R m R \ P ' , 9 8 J # W | Z & ' & c Q u) E + W 0 P I W
]) B < : ' 5 j Q 8 G i 7 \$ R z , T Z e x M 6 6 & j w x 4 Y A v k F > [] y [U <
y % R O] U +] 7 = ! p M l j T 2 F I * t f m , k Q \ a
+ K k U (' p a S ' Q T F 1 ^ i e g m 8 i W r E 8 ' ~ F ' F U Ő F t [] 9 T J 2 9 S
u m f 7 d % n J S ; S & & 4 e K b) U) * Q D \ [q J 9 m + 4 5 , O ~ c % h E
 V C Y V ^ 3 < E e O &) 0 c b l M % b j W t 1 s p q > & N N # J N P
 } / t P ¼ Z X V S b 8 F J R J + 8 G < , (E * R Q U (d W W x M { 1] L j & T Q f N z u 8 b
 W M x i & \ d h H ' l 7 Z U n + + . V + u f F ^ j # F C [J m
 S J O ? Q) M j K = e - n > X < t = e G k M { w - 15 i : D ^ a W 0 E
 8 j (< Z F < m 7 { + ; } " V < ^
 [5 } V { q y 1 i T U :
 g { c F t Z 5 j l K 6 s ; = ^ % G S a 5 t e m l y ^ (k k _ Y g f \$ p + z '
 Y) T V o 5 G - J 4 i e 5 U J 7 j A R y / n > E u f 2 S 8 ' M q p * u 1 Q i i m m * O 5 8
 " 5 ? v N F r "
 2 g > s * T i ; 7 D "] ~ ¥ : t u a N 0 + 7 : 8 J i V X F 5 N R
 w R ' V J Z 9 U m (;) E v J : T k T S [z k U U %
 [" R h W > T N B v r N w ' J 1 b
 " H T ê 2 U i Y d i 3 3 1 M 8 u : F 7 1 % F * 2 I m - V 7 1 4 0 5 h R
 H F P P i e { R v v l i ^ % * t Z " F (I 8 r ^ 3 Q #
 q 5 = % # < % : U % i N k W - 2 M : 5 w V 8 Z S q Y P : e } | z g a W e (* J J j ~ . T 6
 t ' > v V } (Z S F i V # 7 * y F < [' R L 2 T 0 h b ' (; x [- \$ k h I J p U b < - _
 r 2 i (Z w ^ 6 _ [j O f { / F V : j s s 5 { _ j { \ (a
 w s o J Q ^ + F + q G U J V } (Z S F [D 5 1 S > 2 T + j
] J T ! Q 7 N X Y v j [\$ F 3 P ' H 6 N Y ~ m \ * n h u 1 W o <
) (B E ' g v Z Q + o) Y . Q
 T v J F Z 0 R + R 9 8 N 5 ' < ^ k 5 % v }) M I 9 8 5 e e V d
 . N) s l 5 J ; N z " : *] " , l n 0 [6 Q x ~ S N b [Q j q g (t f n [p
 2 u x Z 5 F # = 9 Y _ W Y p = t Q t b Q N M l w c % # 8 X 5 7 O <] -
 F u > z F E) ' ' t h a r 9 d k 4 C E z * s J % P Y , - P n
 r ' N b ' t + X Z 4 a N Y T U Z . t e g Z S B J % 3 X D R
 C c % > < Z S B J 1 + < Z S B J < Z S B J < Z S B J < Z S B J < Z S B J < Z S B
 y y S N 9 ' N * b { " g E < e m U m x l { N ! S Q c ? K p
 * 0 R O # , % m J) V S ^ } > ~ " & < < n V Z y) ; * V 4 , w] "
 j I 8 T R S Y I F * [w V } x) G Y " J ? F z 2 % Q j Y E 4 K i e T ^ = G

FLr0k\$[~==YqVQsmg)X1X3` ,\a==aN0B,.pbCN8oX,T
F Ks ;bB] # " C t[>pg~ tK r nl A br\ go ~/:
se ,ij \$ B Q E [|
endstreamendobj42 0 obj<</BitsPerComponent 8/ColorSpace/DeviceRGB/Filter/DCTDecode/Height 621/Length 61056/N
Adobe d

" #
m!1R AQA"23ST #q Bb 4Cct
\$%&'()*56789:DEFGHIJUVWXYZdefghijrsuvwxz
#\$%&'()*23456789:BCDEFGHIJSTUVWXYZbcdefghijrstuvwxz
7E1V= 'cOc qZ h V' p8 / " [>MT (G P WW 1 ' | } . Σ
T B] } ' cOc m 7 Ap ; Q 3 9q 8 Q A S + C
U hEF)UB | E 1V ' cOc dV p. 5 @p . ' bu*)A 59 d) itv
7E1V= 'cOc !F tWh * | } uuy< b d(. p X : = ' c
7E1V= 'cOc !F tWh * | } uuy< b d(. p X : = ' c
7E1V= 'cOc !F tWh * | } uuy< b d(. p X : = ' c
7E1V= 'cOc !F tWh * | } uuy< b d(. p X : = ' c
@: * ! B F ER K XY m k] li e h m [{ ZFw > 9q &
z L1 - " p] " _ Z f , hsd X & B > j - & ob U \ d ! fN GtS, 7u y
EqZ WK o6 @ B Ü > R) 0 9 * Cl P W & ob uD (% _ u * S 9 > p ; 8
wXp wko < - b N k Nj & ob c | ' h < 4 B] J - XP ! pH c JS
j o < , { J rf F 9 8 # J u a pw cs , ; 1 6 r j . < k . ' N \$ 2 9 @
0 ; , ø \$ 9 hw Gp Sz , " C ^ V { 32 W ^ 6 & Ç @ i ! g # + Z j FJ > h '
k ! N0 68 a F8 ! Y j S (% Uo n o { H ^ F j Xn [e C # d k
 | h @ [g = b s / DE q ~ [Ű , s } V 5 c G \ P M o 7 U - Yh0
 = u @ c C FN = 8 5 N \$ 3 { Y [2 z V V f O i x [K A & ss { m q 6 :
 A . 2 B f s Z d j * + o8 { Z 4 p MA e E " 8 ls f | 1 P + E - { Lm E h NY y -
 m X G \$ " { 5 P H ? > | | H t A4 A (' 7 / PM ' 7 / PA4 | | M " s
 O f - 2 hl l - k Tq ! e g q + | x u { [l q P | ~ x 5
 wM9T } O e M : f k Ä ! RqG - . a * / ((K ' h) Z B Eu ' 7 / PA4 |
 { & (TB ; % | k n H \$; px j * t 2 \$) g N * uR { k K _ mk & " \ p D y
 i F
 r upk 444 Y * s [e up E c % M ~ d p Nj S * % q d ! t E 2
 h { 3 k ^ 5 J # y 2 U q W k 5 Ym EX G > X % \ X * r Z Y I 2 F
 4) Nd n 0 3 R ' K / < j 8 r 9 i p L Z
 gZ o o 0 w T R p > v 7 VF8 ^ ? a / E q b WY = & Kh + ; < Z
 K @ N @ S5 s , 6 k 5 6 c | # L r d 3 _ PlO Mde | r H ! s F 2 PM n - V ? t
 4 (d _ P 8 r F R w . Ei Z = \ m ' s b | M + J W r 6 + N ! .
 a ^ u t t . . hi ` Z m v Z to k s ~ + ~ ' Y M \ 3 SP n f W b L . hi Z -
 6 Mh z j h z j 1 os g k @ ru A ' V Xa IP 1 5 |
 ^ j ' p f X u H k ! ! h + A ` ehpe F " R # A " / h . h \ 0 8 q { A { 4
 G TW / t . Q
 ^ j ' QV p = d b s = k 2 0 O V k [- 1 \$ TTT qd j f X + kb IQ % n <
 @ B
 j K Z BE F R f 4 p ! 3 05 \$! V , - - | ~ m <) Y
 e c F2 - p / m X - j ' EFD M + df9Z 7 ø r , , h | P
 k9kZE dl C ~ q w u P # L - ' g J (\ V s Z 6 # . : X
 G TW / t . Q
 ^ j ' ; Gd O J n L p % Hyq / 5 A h) X6V \$ s < i " O ' s L 4 { Z
 0 @
 s % - 3 > b & F Z G) \$ { ; , A | h , ot PP | 4 q / d s @ in 8 : 0
 g % 5 o } s C X 9 6 | | E = & ph y Φ Q * Z ^ C \$ E m K IS 8 X -
 a L a 9 J , x h 8 0 v x h 8 0 v x h 8 0 v x h 8
 ^ j ' f a A R] mv & E m F \ ^ = { 9 q . k , w |
 w / Y81 b ' 9 | ee - Q [| h K V s % g C % d Y | 1 X w \]
 i H M e X N W & R Or 1 O 73 v \$ J ju Y 5 t 1 3 V 5 - < J t e ^
 ^ j ' p _ W . U s U a f m lt 1 Y ! (NS N ' B 3 g # N U m \ 559 y r

[illegible]

[illegible]

ï\■■■a}a#VUh+■e■U■■■■5■l3■w■■■4■■■d■■■■■V■FE■`2*■|■■■■6■'j■>■■■■@}■N■■■■■■■[%■■■■■*f5r~
■■■U/■■■■■■■Ox■■■■■_■■■Q■W■■■■■■■■■l|j■■■9■*■6■B■■■g■v■■■■■■■■■>■■■#■■■\P\7)■■■is■■■H(■T■J.
_■^■■■C■(■&0■<'■\$■■■6■■■l_T■S■|■■■■■1■■■E■
■7hL■B?■■KT+■W■■■m■■■■■■■■■S■■■1y+uB■)■■■■Y■ |M■S■■■■■l;■■■e■3■■■?■■■;■■■■■;6■,■■■B■ ■■7■■■
■■■q■■■06■i■■■Gf■'P■O}■■■ee)■■■■u■J■g
■■■■■z■■■@<|■■■s ■■w■■■■■■■■■j■■■y■N■■■/l■}■■■■w■■■■■L■#■■■kO■■■*■■■{■■■■■■R■`■■■■■■■■■Y■
;rU■■■A■■■!■F■D■■■"■■■g■5■■■p■■■■■■■zL■\
)■^■■■{>■■■■■■■■■_■■■■■fñD■■■T■■■O■k■■■o
■■■S■■■G■■■■■■■■■■■%u+■■■■■`2■■■M■cRg■■■O■■■g■|■BK■■■l]■■■■■&u■■■H■■■■■■■■■`W■'tP_■W■z■■■
■■■■■y■■■y■■■Wt■e■■■b2)>■bl■■■X■■■rpV■,■■■1W■■■\■■■■■+■■■6We■h3■■■■■Yi■■■■■n■■■O ■■\■■■"}■■■
■■■■■■■■■{■r■p■■■,m■■■{■■■K■■■■■■■■■
endstream■endobj■48 0 obj■<</Filter/FlateDecode/Length 233>>stream■
H■\■■■j■0■■■~
■■■C■■■■■A■[■=■c+■a■■■■■■■S■■■■■■■■■■■■■■■■■■■■P@■)■■■■■!z■9-■■■z■C■g■>■■■P■v■■■B2■s■■■C■■■`s
πn!■lu■5■■■'D|■,■■■LmG■
0■b■q■■■
endstream■endobj■56 0 obj■<</Filter/FlateDecode/Length 236>>stream■
H■\■■■j■0■■■~
■■■Cq■\■a■+■v,■■■8■■■■■(■!o?■)■L`Ç■■■\$yn/■w■■■;■■■a■■■yK8■■■B■■■■:■■■*■f■QH■■■uN8■~■■■i@~psN■■■■
endstream■endobj■57 0 obj■<</Filter/FlateDecode/Length 471>>stream■
H■\■■■n■@■D■|■■■C■■■■■XB■■■;■|H■Z■~■■■■■■■h■■■■■LQQVZ\$■■■CuWAO■■■mw■■■L■+■■■O■■■.■■■p■■■7■■■
endstream■endobj■58 0 obj■<</Filter/FlateDecode/Length 371>>stream■
H■\■■■0■■■y■■■C■■■4■■■a■Xw■■■+■Q■=■■■;■.l@■■■\$ _2■■■T■v■■■m■■■nZW{■■■■■■■xk■
#j■vz■■■■■A■■■\■■■j■^■■■>hr■■■W■■■Z■o■F■^}■■■Z■■■}■~■C7■■■2]cC■■■T■k■■■■■MQ■|;■■■■■■■■■■2■■■
endstream■endobj■76 0 obj■<</Filter/FlateDecode/Length 18303/Length1 51607>>stream■
H■|■y|SW■■■■■;■■■U■■■xq■Zq■u■■■u■■■*■■■Z■*■A@■T■hUh■U■■■7■■■p■■■■■■■■■QAdS■&■■■■■c■■■|■c
■■■■■■■■■■■&va\■■■K■■■X■,q■■■/W■Z■■■■■■■■■v■■■■■■■36fn■e■■■;v■={■■■■■=p■■■a■■■sy■■■E'■O■:]
z■■■*■■■■■F■C■■■(q■8^■#■■■\$q■X.■P■j■■■Z■■■■■■■■■S■■■G42■izh■5n■■■■■■■■■■■■■■■■■■■■|■■■H2l%9J
l■k■5L4L0■■■F■■■~■■■■■■■■■■■■■■■■■■■■gz■■■g■■■Y■J}■■■■■EW■■■■■■■■■1z_■F■■■{■■■■■4,■)mTL■;■■■O■■■
■@,■■■B■8X■■■■■■■■■Ka■<■DX■■■KX■+■■■r ■V■■■_■■■x
g1■■■9■#■&h■■■■■w■nh■3■■■,■■■■■>■■■■■D;Ta.■■■W■■■■■!<■:<■G■■■<■■■,■"<■■■x■~■;■■■■■■■■■,■
(■■■5x■■■■■■■j■■■5x■}■■■%■b-■a=6`#■2■■■?■■■■■g■C■■■■■(■2h#e■&■L[h+m■,■N;x_■|■■■0■■■=■■■■■~■■■■■t■
■■■■■■■■■l:%■■■■■i*■■■R:Cg■■■■■y■@■■■.■e■■■P■]J■F■■■UQ5■■■E■T'o■■■■■r■■■<■2■■■<■■■o■+x[^■■■Q=5
■r5■■■i\■kr:gp&gE■GW' ■■■■l■y■■■a■■■■■;b'■]■+v■■■■■{b/■}■/■■■8■■■ ■■Cp(■■■8"■■■kq6■p.■■■:\■■■■■■■■■
■■■X@ p■■■■■■■1■■■ ■■H■rN■(■■■■■N=■■■ ■*C■■■
■■■q■-■■■%■■■4■■■NC■■■■■■■■■r■■■7■■■|■Os>■■■[■■■■■■■■■zP■■■@Ch■■■9h■■■o`
L■7■-■■■o■t■3a■■■9■-■■■y■■■~■■■?■■■■■■■■■<■■■■■<■■■8■■■x
Oc>■`!■■■x■■■<^■■■x■/■U■■■■■■■■■[x■■■]■5■■■=■■■■■■■b)>■■■@■:■2|■■■t">■■■■■.■+■■■"■■■J:■E■I■!KH
)■■■■■■■
T■*Q■U■*T■■■)■R■■■U■4■■■J■■■,■E■C■■■N■■■T■■■R=■O■■■!5■■■5■■■<5■■■:■■■S■■■■■■■■■H■■■■■Qj■
■`9■■■■■
V■jX■ka■■■■■■■6■f■B■■■■■■■C~■?■■■y■t■■■■■;■e■■■\
■y;o■x■■■j■■■■■&5■■■K■■■F■#■)■pK■P■■■5O-P■■■B■R■■■x■lS;■n■W■W■■■A■■■7■O■■■F■ 9RW■J■i■
■f0■■■O■■■r■+■■■■■!f■■■e■q|■■■xn\r■^■■■■■y■^■■■■■z■■■Fq■■■Zyy^■■■■■■■■■■x#■Q■Xo■?lV■+■j■]■■■
&■■■
■■■■■■■pb■j8)■■■N■■■■■■■■■■■pa■(\■■■.■■■■■■■■■pe■J~■C■■■_■■■cr\N■|9%■%_
■P■■■Y9'Er^■.E■\$■■■\■■■r_■Or■■■■■9■u■■■37t:■■■5■u■■■%■u■■■\■■■■■n■&■n9■,C■■■2■)r■G■DK■■■■■G■
■■■y■■■Oz■■■■■
^E■■■■■■■=■■■=■■■U■■■xU■j^■■■Ey■■■`.■■■■■■■■■Bk■5■ N8■■■■■t■8■■■C■a■■■9"N■S■k■■■qZ■■■E■X■■■R
■■■■■ ■■N■■■■■1j}■■■C■■■"j■■■■■■■x■i■■■e■■■P■■■F ■d■■■■■N■■■\oj!■5M■■■ ■2■/■■■■■L■■■■■|■■■A?■

u0■■■■■%■o■■■7V■■■q^■■■&V■■■'B{■■■■■C■■■A4■h■)J■".■q■=■■■8■sdG■■■■■S■R■■■■■f-■■■■■■■d■
■■■'F■■■ERc■■■P1■■■■■■■v■■■F■b■■■~■M■■■\$■B■■■■■u■N■■■w■■■L■■■■■n■w■■■O■■■■■w■p■eYy■■■84i
X1■■■AY■■■J■~■■■■■■■%r■■■[5B■■■p■H}■■■■■(■■■(■<■■■■■(■■■■■)■■■■■\`■v■.■■■■■q%■■■■■y(■p.■■■
■■■■■■■■■e■■■U■X■■■f■■■ZwC)C■BgC■■■D■.■"■f■■■■■;■G%■D■■■■■d■■■■■js4■■■■■g■■■r■V)■|■*
g^lx■■■■■■■■■C■B■■■■■3■B■jQ■x?■6■■■■■#■■■0■.■■■q[NBd■■■0■■■l^■■■■■>■(j■■■■■N)■■■■■E■■■{Wd■lt
■■■■■y■■■■■■■■■')■#■Z■[4■■■K■■■N■y■■■g■!■■■s■■■■■X=
T■■■_■,■@■■■\$■V■■■e■+■|■/W[■■■e■O%■■■■■D■■■N■■■)4■■■■■4l■U■x■■■TO]■■■rd■■■u■■■L■■■■■■■■■
■■■■■■■■■S■■■S■■■!;■A■"u:■F■■■■■*■■■■■(■<■■■s0■■■MKi■■■M■1T■■■s■■■t'Q■;■■■b■■■,■E■■■/■j■#■>|■■■i■■■

■M■M■q8■|■■■■L■"■■■'3CY■■RD■MDk<■3_e■Y■'Z■■■■o>A■|C■■■■x■■Fqj■3■■6■■1■■1■■\■■■■&■0■cC
E■]■■■■■*■■/■■S■■■■a■>■■■■■
u■{gw■■;g■■?■9■■■■■■o■9■■■■3o■8>=ulrb■uhdx■■o■■■■■■i■■■■non■■■■■■■■■■M■■0{■■■■■■■■■■
o=■■Q■<■Fj■#)■X■■:■%■■■[■iBs■■M■■4■■Z■■S{c■■s&■us■■F■-■■vs■■G
?■■■+|5■p■■,^=■■■dq■xw■'■■.■■4■c■■■■■-]■t■0Q■g■ZU■■■■■*■■)■)■|■Z■■■5■[f <■xj)■■■[■n#■■■■■■K■1
■T■■■
æ■|■"■6■q.■B4■■■■■■■■KxR■■Q■E■nQ■■b■s■■■■■■■■WO3l:■■&>■■■K■■n■■■[=■H:■■■■"■■2D■■■■■■
E#■■■■■■IH'■s■■■g■'■rK■1■B■Y■■tf■■B■■n_4D■ZMi■■■\J■g<K■■■FVS■■■E[■■■■■■0■&0■l+■■■■1`ue■6
d■2■■■■■■■■/■■2■■■■v■■■■■&■8■■■■/■b■2Kw■■f■■w■d■s■■m■■■■■:5#■■■■■■2■6■XP■■■■hJ^■■C■Rn
K[■■eb&■■■■■[■{a9;1■φ■■a■■R■■■■■■Jz■r■R■5■■■-2c■]■■■=■,■■■ur■)F■~!■iD■■S■'■■1■■■■ayW■J?■■■
■,=■~B■z■■■■■■■_<■Q■■■|■H■■■■■■■■■■■■■■■■_U?■■■■oø■■■@■■■■K■■■B■dm@■■■■:XO■z■■'■/■K■
■uV■}■■■■■#■■■■■jv■■■e■mn!■G~■^K■■k|■■■■1R■■h|■3■/u■c■■■■,■■kB■!■■■■■■wi■■■■F{■■■■|■■■■
■■P■■%■■■iNP'■■■■■c■■■g■|■■■■■■■■■■■■■■■■<'?0%■■■w■e■■■■zFV■Y2■■■f■,■■.■]■>■vjK■?(wi■■■!■Rf■2■J■1S
3Q■■y■■■F■■■■Ω■■S■■■■■■E■V9#■/■=■■■<■cV■X■t■\■■■■j■■k■?■w■■■■M■■.■\■■■■■■x■■5■■■m■■■■y
v)■■■■h■■m■■■R`■E
■■■\$■|■;■■■■■k{■■■+■■■■■■oD■■■2■■■■■■K■■■■■■+■■J■■f■■V■■K■n■■■{■P■■\■8\$■■■=■v■H■■■=
■■x■o■■■8■■■■■■m6■■■2■■■]2a■■■■;e■■■■t■>■Z■■■■@■■■]■6■■■■■■{■■■■?J&(■■UF■^■U■■■■■■■%-
■■■!■■■■■'■K■■Yb■■■■■■■■G■■■[■■.jg■■■}■U■■■&■■■■F■■■6■+{■■■pn*■\■■■■■■■■■■■■■■f■■■@>o■■■
z■\03■■■■■'■n■m■AA■■■4■■■,r■■■&x?■>pS■■■&■■■■■■■■+■y!■■p■■■7■■■■■■E{■■■s■Ertf■■o■
6h^f■■■!■■■n■■■■■■■■|■■■■9■■s■■■bYj■■■■■■'■<■■■■n■,■■■i■L6■■Dz■G=w■3■~■■■■O■■o■■■■
■a■\■*■8■|■■■e■■■K■-\$)■i)■■■+■■■h■eA4■e■)■■■[■-■■■/A■■■■3■*■0E■X■■■%■^■■Fp■■tP`O■■■}■■■
■■■■U■^■/■V■E■■■;%■■3■■■■\j■■H■■■■■■■■~B;(■%9■0■,■■C■■■_(~ND■■gl■■4wk■■■■■■,■N■■■■5
■■N{■■wtQ■■8■7■■Z■■_0U■■o!■■■=?#■■■n■■■■M■■■■dH■■■R■■!y,■■■Q■Rx;Z■■k■c■c■~■■■u>[
■■PY■■N■■■■■■b■■■a■■q~q■■■■■?■■■■P■w■[■]■■■■■■|2■b■■■■NI^■■■■■■■■;U■■■■i■■■■)■■■
■■6l■■■■■■|■■■%■■■■■Xu~■■Q■#S■Q■~■■■■■n■mE■■_■■■K■■■o■■■R■■■■■■lv/■■■=■g■■\■■y
)■F■-+~■d■■l|■■■■■S■F■■■■■■■■/■u■■■■r■■■■■■■■■■■■■■7■■3■'■/O■■■]■■■M■■b■lgz■i■■■Bj;■■■F■r
?s■}■|6■■8■■■■■■>3■■9■ssr■■'■■■■■■■■\■■y■■■■■■]■>7■x■■E!■■.■■t■_■■■■■■■■k■^■■\■|■z■f■St-
■■■■■■N■■■■■■Qk■j~■■■■■]4■u■&■■s■■w■■s■■M■■■■■=■9■uH■9■5■k■■■■■■f■■u■|■■■■■■#
h■XB■?■>■■■s4■U6■■■■o>M■■■={■q■■2■!w"■■b■"■fd■=■■■[■7■`\$■K■■■■O#■■■■■■#■y■■A■}■■W■s■■qN■
3■kT■;C■\$■%■■■|■■■>J■9■p■A■■H■■Oh■#■^■■■Z■■U■M■■■{■■■*■■1■■■9b'■o#■■r■■^H■='■/■■■■P■
½■■o<-■2■■■w■■■■■[■■■|■■.■■■V■■Sh■c■Q+■a■■■■■■■■■■,■■{■■■er}■1■Th■■w■■■■■■■■d■■M■■
■m■■r■Xr■[■(■'M'lg■■■c■{■>2■■■■@■■■■■■j■■■■t■■1■T■!■■■.■■■■■■E■g0■Q■'■p■■■;■■■q■■H#■■
x■z9■■■■■|■U■■7■■■m■)■<■■■■■■■■■■}■■■■■■/■P■\W■
■B■P(■
■B■P(■
■B■P(■
■B■P(■
■B■P(■
■B■P(■
■B■P(■
■B■P(■
■■)■■1■■■■\E^h4}■6■■■■D■(■■■W■■M■■_■{)■■G■■■=■■:■■_su■■VW■■■■■■■■è1r'■P■■■=4E■■■C
■k■mL■t■VPM■■■z,B■xvB■■;■■■aS'■■■■■_■■Q■■%■■■■■■J■■■qpy■■■■8fa■■■■Qj■~■'■A■"■C■■
■■E■■■■■■j■j■■■@4■■h{■■■■■■■■P■
g■i■■■PK8■■■-■E■■■Q+■■■|■■■■■■■■■#A;f%x■■■■P■■■■;■■m[vg■■■■■■■■■■8■3■■■■■■■■|■■o■>(■^■■
k■■■c■■■|Y'N■@■■Wt■■w■4:■W■■i5■■e-Y■■■■■■■■F■■[■■WB9■■■7■^Q■Bn■V■■■.■s@■■W■■
■■■e■P■■■7a■■■3■r■G28■■■*■■/■■■■■■S■|■#(l■■■■sx:■■MaSpYE■j■J■■Eva■Ga)■9■RJ8■■■"■■■W1
■■■■■■r■-■9■m■&■9■■■■■■■■"■■p■■■%■^■■i■■~■■■■■■7{■■■■■■c■
■■■mX■{■■■■■■w■■■■~oG■■■■■■■■Tt■k■■■*■g■■o■■p■■f■■F6)■v■cX~5■■C<■■■Su~)■■■l,■■
,■■■■u■■>.■■■■h■■■■■■■■Y■■■-■■■■tKq■■■@■■■■■■■■u■■O■=■■■■7H;■■■*■■l■■JOe■VL}Z■■O-
■■X■P&n■■■■dk■■■}■■■O■■DOj■■■■V■5■■■■s■]■#■■u■N■■■■X■hl■■■#■tD■;D_■■WD■■at■■\■]■|■■
endstream■endobj■77 0 obj<</Filter/FlateDecode/Length 29296/Length1 70072>>stream■
H■■■kl■■■■■■■■■■■■■■■■■■■■k■.^■■■■■■[■■■■■■N0■■6■■■`Hx■!!!■\$(U■Tm■■■Q5■j■■■■j■■DM[U
|■■■■>■l'■■■■9■P■f■RX■h■■■■O■}■■■■■■■■0)■■■d■■■:■■■9 k■■■{Z|■a■■■■:T■■s■■EY,■■Z,■nhH&■
■■~■■t■■TyY■s■■■yU■~J%■P■q■■■■r■■M■■?■<■■2■■■k■■■m■(■|■■■■[■■■■■■mo■RC■■H■■o■■BR■'
■,■:■■/■."do■■■=■3x^■■■P■■■&Z-■■■9u■,■JxQ■■)■■■■'xHR■■)Rmp■eq■■■Lq■6■g8■\■■■M[■■:7■■&
■■■l\■+Hx■■#r■z■a■=^■■■~■■■x■■■■o■■pu■■■■U■■vG■N5(+Q■■■%■■■!<~■■■■■■K■■)■|_d■@#■■■B
t■■■■U■■y■■■■>■_■>■;■■■■c■|■■>■■0■■■■D■■\■■■■i■■■■vZ^■H■■■{M■■■[>LhR+Ej■■■■P>mL
■:Tg■■(y■■■■■■■■■■P■o■■■<.■■■■■■■■N■■■t-■■■■(■■■UW■■c■a■■■■o■tl■■■■■■(■j■■■&■+■H■■■

Q.5 diJ; ;K? Jsm' 0 i[jV w S LZY ,m c r p 5 'g
e Q'd Q W x g^ Y g j\$ ~ A8 jc X y d X @ H _ 2i S ""
R" /eWo v o1 Y5(f ^ W T 'i 'i ? u - :j b @ o
+?* ^q A? |
?
C7{ W> 9} n 9^ ' fW < [xa ~ ^ O E * g (y P) u K ; t=mD : 3
: V 0 f K X 35 - 8 xd4 O) F / S x ^ 9 ? & } V | T
B (@ 1 d Mp E 3/P4F [/
DT# 3 U I L&A e v 7P =3 ~ A @ o1 r m o ;> b q y : &
(A v n-J7i v ij Di : Q U + i9` 7 x W
r P9u # @] ~ n \$ \ n . s x 5 } p | N \ msUo . 8g ~ S [e + 0V
D [Hi X v1 S E
1*5 9 4 [* ! \ T < h / D s q {Nr 8 K s7 + < 6 J\$
N?G! 3dcY [
v ; ' g : ` { 333^ | 9 9 '> q H s m e 3 x
D Y { k ^ Z z | q Y U ^ 1 jH j7 E[n=a 4 U k4 _
D 7E + ; ? b CQZ { = \ S j ' S E [Z P B } o + V - 0 & e Gx7
1a d V H - d-BO d h X d k P H Y6r[M(= %
& ^ n,j 6!~ U + ; ? ,O 7 ~ m{ _ % 8 dj 6 zc * d Sgn ,M
3 7 GS =
m J Z 1 : Q4 FP J > E G @ D ^ = h 0 ; ? " T ZP
0 ; J8 I8 p | S 9 * | A F ~ 9 ' 8 @ 3) HC % R t P [&nQ i
Q < ! # x 1b 5 j 8.l3 Y ` y q ù) p1 , cl-v = , g p f Y
.s)5s1 @3[EJ : d y9 q| _ 3 ? g < x /
(
8 A 0 } > J _ O W 4F hgt2 ^ F 1 Xcd " [V j Y ; X# q , . d#
^ Gm ~ \ ~ Sv :: ; 9 : _ u rF 0 [(g R S ~ X . 'x1 r v (O ? tC
14A/h M 9 ? A ! [[6h Q ! c - B (0 q , 3 C L q o q
i * p = 1 ^ Û gC ? } p p D R eu6 F Z k 3 ` q cq=o } & Q a * ix
Q . , g g > N O ? A . = S % \$ Q > 1 i q KD # AjD ; d
P F [@ W # wt : N } O E i _ * + L Be nS * p LR & + S 4e 2C \$
K \ Gj-5 & H - k B-U [- i + w% y J O[m j Z N [ej L _ Km Pm ` (o ;
N c L l0 & t l2M 9d 5y 7 is Bs 4 ? W an ; y ~ 1 yd ' ' A ' JP *
{ T V j : U QA * U L RT JS * CG A ct) : ss u : b U R { U R R * [> Y
Y \ 8 p . % i 0 + ^ & b Y V 5b Y 5g-XK fmX ; % Y f
+ d-1 _ d P d = X Kd < = s | < X & X ! X % X # [l - 3 sf Y <
W \$ ' < | - O x : _ 3 7 , g < o 6 ~ o G ~ | q < ? z
U . s : . p , ? # C = 8 ' T Sp NS + B Q k R % * \ + q9 F q
a | - % 2 NrRX m Ka 8m) , # _ ! > , < q0 ^ @ C Q ç W B jfB
P4 P \$ 1 = Z g No
N j 6 WB + 5ODk Zk } GX 5jG (P P #b & s \ 8 + Vo IU (+ O) @ u
< Y n Q8 V q < ! 1 . g
> D E] = o 9p O1 ~ zP < fo - M cn C [J V -w' 5) ^ N 58_fLd\2
' 7 0TJ n F # O] yx z3 (L ;) Q ë C bJ \$ ix o pl
R , 6e : h4 % mc Fa - K ? 4iY x g WZ p = n \ V ' R B -> # y 1 -
K 2 - @ hj h GuWq] B # PH 6 M y w X E U 8j Ggj ; m
e % \ 2 ^ bA x E oh T Z [5 9 l w ~ m e P # w q Z z M 0 r [j T #) R L
= e v , ; B A ~ 5s G g ! 9 / T + @ V OvH [] ^ o " F E + G >
5 G _ S _ (= % ? ! yz , kEw dd R ~ [z |
d / _ _ ? _ # ?
ct 2 4 > z z J DM 4 2
4 T n { g G @ } np# \$ u } Q ^ @ ^ Ô Q "(("
n ^ * gl m . p } o P Y * P z C t m b t _ S
{ hR 4 P [1 Q ~ B q ezP c . : 1 p gi xB Z : z T {
u * f 9 1 J 9 p e { d > 3 > OE { [? ; p (c ~ g U
: 5 o 5g V n M U - \] dQ 2 @ \$ w [] fCG ; 9 ! g V Ud y M T 2 0
` 7 K 7 ' r r = 0Y 7 T y R G 65DZB . @

||6F]`1~,,jU,,,,P,,,j,d,,,JWU
x,,,d2,],,,,?7,,,,[,,,zA3wIq_y,,,,,v,,,,|,,,&yhSL>,,,1,,,,,+,,,,\\,,,;,,,,V,,,d,,,,
D,s-,,,,g-,-p,,,oH==W,,,,sy,,,,u,,,,9u,,,,,'gK,,,,.*W,i,,,},,,s;P,,,,,n,,,,,?H&,,,,o,,,,,
R<,,,_;,,,N,,,9,,,*,,,=,,,ysd\\dl?\\e,,.,8,,,,L,,,N;,,,i'7O\$,,,9[d,,,,,IN,,,sC4,,,&,,,[,,,6,,,,
l,,,,-6,,,,m,,,,,a,,,,,!,,,,,D,p,,,%F_r_0w,,,,,9L^klC,s%,,,M},,,&,,,M,rO}},,,,,o,,,of
,,,6%z,,,oF,,,L,,,,n,,,,,T<,,,o},,,,,d,,,,h,,,g,kO,,,*g,,,,,7Jy,J;,,,,,Bi,v,,,z:O,,,McU
m\\6>,'t'Qb,34,im,,,L,,,t,,,m,D,0O,y;,,,5Jew,t.]],,,k,,,,,sa//P,,,=,,,YC}]],,,;M*,,,M,,,k,,,
w,,,7\$,,,G,,,,,6RG,,,,,Z,,,,,K,,,x",,,O,,,X,,,g,,,o\$1T,,,Xd,,,,,_m,,,&~lo,6>,,,
Uj,,,,,Q,,,7,,,((vO|y,,,,,l,D2o>4,g,,,},,,,,,H,,,,,mX>,,,,,2,,,,,÷,,,,N
#|_,'cJ,B,B,,,,,',,,,v,1,0,,,j,9,,,,n,,,,,2,C,,,L,,,q,#,,,=,,,o_c,,,8+]],,,/-,A,,,b,,,,,S,,,,,
,,,,,L,,,#G,c,q,M,,,,,yA,,,Y,,,5,,,a,,,0,m,,,,,J,,,}QfD,u,,,,,|W,M,5,,,^wIw,,,t,,,4p.l//@Z,{Xa
EN,B>,,,GdA,,,L,P,,,,,h9,,,QIN,,,/\$,,,k,H,u,r,,,,,=,]c'X,,,,,X,d,,,T=,,,,,m,,,{7
C%x,,,B,z8%,,,{,,,z~
)C@F,En,,,,,)X,#,,,,,Dj,p,,,,,D?,,,.,|,2))~&,,,,,W\\a.,,9p,,,J,,,v=,,,{a}"
X\\H,,,DX,,,w#4,^,,,,,w,/c,,,,,0,Q,,,Y,,,,,[k,,,,,;b~\\^\\],,,,,[,'^,,,5
2,,,&y*,,,,,M,,,b,2,,,,,t,,,,,7j!
B
[,,,o,,,L,,,<FS1,c,,,1M,,,,e-5,,,[Go||[z,,,N,,,/o,s,,,k,,,,=(#,,,\\'`=t,,,u,,,,,Y,r?,,,Ef,,,t
If,p,c,,,g,,,,"\\,,,Ztf,Oq,,,,-,,,_>,,,m,A,(,,,\\a,,,,,2\$\\x,,,|<,,,M:,,,N}}|,,,,,c
\$,,,&,,,,,H,T,C[u==
|~,,,p,E=,,,o3u,,,,m,,,,i,,,r},,,,)Y,,,,9w,,,,,cl,,,!9,,,_c,,,M,,,_,,,u,u,f,s},,,,%)m",,,}T
p,,,,,d,,,=},3,O,t,,,b,,,k,J,Mq286-9,,,,,)n,Z:/|[E,o,,,a,,,,,mD,o,,,!,,,6,,,b
,!9a,Y,,,,,d,,,.,M*,,,#,,,d,i,,,0,,,f,Y<WGjU,80,,,5,,,T,J2,L#,T,,,,,R,,,,)M&I2,L\$,x,\$,X
l',,,#,,,E"\\vO,,,,,w,,,,,B~&?,,,r,#9,,,+,,,{,,,9,,,,,[,,,!,,,|,,,N>O,'c,,,>\$,,,|,,,{*m
,,,&,,,,,i|F,d,r,,,_9,,,9,,,!,,,9,,,|4>|,,,,,y,,,,\$,,,%,,,,,\$},>79,,,,,y,,,N
2B,0]56,F,,,L,",,,,,c#z^D7i,G\$7bNj,a,,,K-\\n,,,,,#,,,|,,,],,,,,9A,X,,,9,,,d\\k,K
Us,q,,,^e,,,,,kWvaU(n,,,,,)*{,,,
|,-,,,_e`\\t,,,t,p,,,G&,,,],,,,,cO,,,&,,,+,,,H,,,,,d,u,,,,,&V,,,Va5,,,k,,,,,y,,,,-
endstreamendobj78 0 obj<</Filter/FlateDecode/Length 237>>stream
H\\j0~
C,k,a',,,e,,,,|,,,JfXl,8,,,,,t0-,,,,-yj,m,,,,,%;a,!DO8,,,B,c,,,,,W,U,,,d,,,w\\p,j,1 ?9,Za
endstreamendobj79 0 obj<</Filter/FlateDecode/Length 402>>stream
H\\j0E
-Eq,3@IZ,,,y,,,VRC#,,,Y,,,\\,,,,,B3Ñ4,f,,,n,,,[,,,},,,,,m
,,,,,E7},5,j,7,zp%,o,1,w,,,,,m^\\t,w,m,,,.,{MmH}<,,,,,g,,,0|,s,,,,,h,^,,,O}>
endstreamendobj80 0 obj<</Filter/FlateDecode/Length 230>>stream
H\\j0~
Cq,v,,,1,X,,,pl%3,Q,C~,,,?:,,,,,?[[>27,,,,,C,8,,,B,c,u6,,,{Wn7,,,,,g,Z,,,k,,,I
endstreamendobj81 0 obj<</Filter/FlateDecode/Length 3742/Length1 5911>>stream
H{V{t,,,,,}]@6,,,,,B,,,<6,,,A,,,,,.,,,,Q,,,p,,,tyH-,,,T@
XJf#
E=,,,r,,,h)P,,,P
M,,,?z:wg,,,,,w,,,f?,,,D4@b,,,,,.,,,,9,5,,,ao,,,Po@Uj,k,/k,,,,,O,,,Y,,,x,'hb,,,`U
B\\W\\hFV,P,,,Ss-,,,Y,,,O,04,w,1@,L,n,f,,,.,Krj,(,,,,,f,(,(+1,,,H,k,8,x,W,,,`Gh,"
[\\dQE,pq,,,,,&,,,O,,,,[?ggm,,,E,S,,,,,V],,,,,w,,,,,;(H,5,,,,,R,,,,,t).},,,,
J,'\\t,2,,,,,.,q,,,,,7,,,s,s,B,U,,,,,r0,,,UY,,,N|W(\\q>,,,o,m,,,,,J,H,,,,,G?B,M
,,,,,*0,,,it
J,r,,,Q,,,,,r,vB,m,,,Nc,,,M,,,K!,,,}G,"R,,,,,x,R,,,c,,,v3^e#,"j,,,Q,,,v,B,2,,,,,0
*,,,T,,,G?,,,|,\$K,,,,,*V,,,,,L,,,,,3D,,,o,c,,,X,,,,-y,,,b,,,,,X,,,`A,,,,,)%,,,,le,,,a,,,C&
X,,,,,i,,,K;,,,kr(D9)Z,,,,,4,f?,,,,,M,,,r,]0s,3,,,p-,&m,k,,,,,<oiK,,,H,,,,,9
pS,,,,,M,0,4,,,,,&?<;i,,,Pg,,,H,,,,,9,,,};,,,hzL;bsV,!\\w,,,,,?,,,r
endstreamendobj82 0 obj<</Filter/FlateDecode/Length 15>>stream
Hj`@
endstreamendobj83 0 obj<</Filter/FlateDecode/Length 25342/Length1 60580>>stream
H|,y\\SW,,,,,'/&,,,,"{,,,X,U,,,,,uf,,,X,,,,,B,Z,Qq,]]\\,,,@q,,,,,1~ZG;&\$s
ZED|,,,,,>|,,,,,K:x,,,,,wr,,,|e,,,>q,,,,,^,,,,,^?,,,,,<%>1,,,,,p,10d\\
kn,u,w-,,,A,,,_U,AXHN,,,,,\\YH,,,R,x,vW,,,,,1U\\^,,,/X{,,,\$k,hOi,1
U+,,,L|W\\+F,,,,,j,J|,,,5a,Lm,,,F,8ÿ,,,G,S,3,,,Km\$Y,*5Q,HER,tK,Nz.,,,,S,\$w,{,,,c,DN1]

```
s\#####)c#####j#####_dGc#E#####\#####*#####njtJ^e#####lTt`M#####)6R#####6fz8#####pV#F#i#eR#####i^#####rh/##t#r)#####7)#####:JETL##<#8PK$/#F##A>#N#l##F##4###t###%?j###R[##TJ##=#P#Q9#####H"###d###Z#E&jD##B#n#:#f5#&##n#;#.#_#####=#yv#s#&###*##`#####b#####c#####j#E#.#d#&#$###iSh@###)2###s###K#b#k###u#9###l'##l'`C#`m9[V#m%#d#####M)###aS9###qy#.#3|###q#####
```

K■■■V■■■■■■■■■#■■■3■■■■|{02_■■■Co■(■■■4■■0■■.■


```

xmlns:xmpMM="http://ns.adobe.com/xap/1.0/mm/"
xmlns:dc="http://purl.org/dc/elements/1.1/"
xmlns:pdf="http://ns.adobe.com/pdf/1.3/"
xmlns:pdfx="http://ns.adobe.com/pdfx/1.3/">
<xmp:ModifyDate>2021-01-28T10:02:55-05:00</xmp:ModifyDate>
<xmp:CreateDate>2021-01-28T09:27:08-05:00</xmp:CreateDate>
<xmp:MetadataDate>2021-01-28T10:02:55-05:00</xmp:MetadataDate>
<xmp:CreatorTool>Acrobat PDFMaker 20 for Word</xmp:CreatorTool>
<xmpMM:DocumentID>uuid:c73c2a5a-691a-411f-85fe-3a40d2373ca3</xmpMM:DocumentID>
<xmpMM:InstanceID>uuid:3afe8c76-24a0-41a9-8c71-3e17006eb9b4</xmpMM:InstanceID>
<xmpMM:subject>
  <rdf:Seq>
    <rdf:li>2</rdf:li>
  </rdf:Seq>
</xmpMM:subject>
<dc:format>application/pdf</dc:format>
<dc:title>
  <rdf:Alt>
    <rdf:li xml:lang="x-default"/>
  </rdf:Alt>
</dc:title>
<dc:description>
  <rdf:Alt>
    <rdf:li xml:lang="x-default"/>
  </rdf:Alt>
</dc:description>
<dc:creator>
  <rdf:Seq>
    <rdf:li>Mike Toomey</rdf:li>
  </rdf:Seq>
</dc:creator>
<pdf:Producer>Adobe PDF Library 20.13.106</pdf:Producer>
<pdf:Keywords/>
<pdfx:SourceModified>D:20210128142658</pdfx:SourceModified>
<pdfx:Company/>
</rdf:Description>
</rdf:RDF>
</x:xmpmeta>
<?xpacket end="r"?>■
endstream■endobj■99 0 obj■<</Length 3317/Subtype/XML/Type/Metadata>>stream■
<?xpacket begin="■" id="W5M0MpCehiHzreSzNTczkc9d"?>
<x:xmpmeta xmlns:x="adobe:ns:meta/" x:xmptk="Adobe XMP Core 5.6-c017 91.164464, 2020/06/15-10:20:05"
  <rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
    <rdf:Description rdf:about=""
      xmlns:xmp="http://ns.adobe.com/xap/1.0/"
      xmlns:dc="http://purl.org/dc/elements/1.1/"
      xmlns:xmpMM="http://ns.adobe.com/xap/1.0/mm/"
      xmlns:pdf="http://ns.adobe.com/pdf/1.3/">
        <xmp:ModifyDate>2021-02-08T13:38:09-05:00</xmp:ModifyDate>
        <xmp:CreateDate>2021-02-05T09:56:31-05:00</xmp:CreateDate>
        <xmp:MetadataDate>2021-02-08T13:38:09-05:00</xmp:MetadataDate>
        <xmp:CreatorTool>Acrobat PDFMaker 20 for Word</xmp:CreatorTool>
        <dc:format>application/pdf</dc:format>
        <dc:creator>
          <rdf:Seq>
            <rdf:li>Jennifer Gabel</rdf:li>
          </rdf:Seq>
        </dc:creator>
        <xmpMM:DocumentID>uuid:6627646d-a9e6-4917-9f76-331a1ba9bc05</xmpMM:DocumentID>

```

<xmpMM:InstanceID>uuid:c937425b-519c-4395-b56b-830df99799c2</xmpMM:InstanceID>
<pdf:Producer>Adobe PDF Library 20.13.106</pdf:Producer>
</rdf:Description>
</rdf:RDF>
</x:xmpmeta>

<?xpacket end="w"?>
endstreamendobj1135 0 obj<</AcroForm 1149 0 R/MarkInfo<</Marked true>>/Metadata 99 0 R/Outlines 147 0 R/Pages 1
H\@=OQEE+n+1;q1?gthHF\$~p:=@q?~ks;u);>6tmL
yE1rri0@.Kd<l^Npz:=N0o_ _i==#=#=#=#=
endstreamendobj1139 0 obj<</Filter/FlateDecode/Length 435>>stream
H\j0E
-EqbK3@HZ[lgioiht}4vhh7;?C%60m?Oss,Ow
endstreamendobj1140 0 obj<</Filter/FlateDecode/Length 1795>>stream
H\WYoF~7OO.,5b}pX,
23!pAXs|3>tt^!c|lbFq0Rk0DMM\$7i<
jN\A9+bbO`,,yygT[DH\iY/~--:_r'iAmLLcLCC
\$bb!t\ss{|l:Ky"9r5_[PZM|O
kQh&MMM9#ce<Q%h>50#b/CP\A^czz[@;;&!\
ZEE(/)0X%~1L2]j*B=j+UH#V)h'5--4A)VD\$
tQT3TBw//\$Ovv'r'JUU/kttKTQT,,RttN'g's&L(\)0D^4(
.4be:VtoVWXzJ3]=4YPP\$zzD0yQ.
m<QJLvyh<2gje'ki{~x;GqbiiET?Bp};;X5"
Z&*4\$-vVWkk3-dxhv?W>.|EEWI{fn=#ImI:uT+A
\$3PP#4H(qxx^R\$-ub4~&M0gW+Na|ZbPP\$0NOC
endstreamendobj1141 0 obj<</Filter/FlateDecode/Length 41411/Length1 104832>>stream
H\dd{IS~_q||\$61y8ee0B*^D;4M4NHnn1hqGG*T2ii
g?Chp;dqdav5oo`CW?r_N_ehhCWW|++#
ssP}X@h#{?|lYq7xb/2z5W!
^!Wee<7^6dG)
%39g"6cbFH_K\$
G*-\$IM(vT'dD"3pY^,TeXeCuT<4766S&E(mnlRkq"cl|
|EE_)/3'.B
pU.x%e0U UkYMU*JYz[xo(wU#2-2t;_4
F!Eink*aeUeeU6?Pe0pV1?y|6fy|n+jaa2G2?j|a0
o|jptl{Lffiyet8#OOTT[\$]A"exR/[w]g;z[^q, @g
E1BkW1K8a
ssGXTPRHdT{i[Z+q|?&`]3)qHa|jf:}Ns\N
p*=L:;%NW^}:%{j5&Hx(_f2Le,GH(Bk!:=z!)}81Uss

Qina*~Jj~q~S<~c~o~H~\$~Wu~\~.~)~ek~y~W~q~DO.f~.~>~n~[4~3^m~M\gx~VZ~
 A~pP(~~
 @1~,~|~F~oW5~O~)~U~Ex;4~-~_~PVo<v~Tbx~A~K@~c~u_~~Cno~
 ~~)m&~.~h~9~(rBG~y~n~e~G3zA~jA#~|~JK~{~O~W~-.~s~:{J'2~+~Y~,~
 d~A~Y~x~/~v~ZM~X~c~b~/~5~e~y~1vPP~QB~\$~2[B~-)e~9C~'~
 ;p~`~:~#~~;~o]0~C.~s-n~h~q~b~?~{~L~3"~u5,~<~2%~{~c~
 X~d~ud~j~|~_<~yq~B~s~==~uzK\~K~Z~r@~B~}=~+~{~gH~O.~M9~b~k~M~nh~k~
 L~T~NUzL~d~.L~:E~b~S~S~Rbl~G~-~v~tEc~(~~|~;\$~'~r~
 _~g~3~#]~Cci~?~L9~JS~a~f\$~L~<2<~6~+~7~a~ccS~F~
 }Q~)">~K~|~k~3~D~s>Z~S',~b<~p~R~S~T~R~T~1HU~4S~0~U~
 'yMcEo~T@z~'~!Z~<5N~D~x~D~d~_S~,~i~O~^:~oO~η~hBE-d7~|~V~
 R~?~svw[~N~r~|~
 |~0g~E~#~e~5~V~iU~k~u~Y~A~\~K~6~
 Vv~h#~b~D1~Y~NS~yXHUA~E~]'~SN'~',~j~\1~3~&=[~[~!~Y~Ji~b~f~g~1#~
 b~i~>~x~==~A~(V~;~(w:~y~r~r~b=u~r~=?~4~2~[~Pv!~J.~|~:~)~pbe~
 Z~Z~-~'~1-1C,0S,0S,0S,0S,0~,~e~X~2~&7~,~s~i~3~es~vau~|~
 y~F~y~[~&@~5{u~T~9~RY_~|~N~F~b~>#~p~'~wwm:~5Q~
 ~~DN^~>1~/_~,~rVrkaM~5~fH<~p~U~CIU~nB~D~7~Pi~}'~
 Z~p~|Z/~U~X~E~E.~E~M~"~E~NQ~X~4C~?~|~*~5~_~&~6>~R.Z).~
 ~~~~  
 9=~?~)~,~i~  
 i~k~\~4~#~iX~Lk9~W{~HV1s~0~w~}~/S~W~g~T~0~+~-G~/~N{p~Uv~  
 8~d~2~w~?GK~E~2~\~h~/~Vx~p~-~um~[~hU~\~}~p~  
 kxO\_~L~'b~-~lcb~<~!ui~;~x~:t~V)e~c~"~%~9~;=Sa~e~o~\*~b~  
 McTZ~-~k~8Exp!~#"o~/~^1~\_~n~|~9~"8\*d~|~CSm~]p~u~B9~W~  
 5D~3D'~\*/~W~A`~;~Y|~rT#~b~3Z~X~8&~8'~Z~Q5~&~y~Z~  
 G/~w0~Y~zoc{~5A~A~H~@~+~F~v<#~C=FSv~8W~\$;~%~  
 4O~<O~Xw+a~>~N~`V~:~2~y~z~Oc~  
 ~|k~"~|j~k~x~]~R~H~~#~x~4G~+<Tz~%~3~ ~==~c~)S~)~SvwJ~o'^~(K=~1~N~J~"~  
 ~%~Ra~k~@~%6~|~E\_~]\*~?L~)A|~K~n~aX7~0~0~+~JXM~  
 :~RD~-~m~X~\~n~%[~5d6o~`~p~.~%~ ~skC~&[~0~L~|+K=~g~a~  
 <~P~P~J~%H\$~"~F~B~\$~ZxB~t~T~T~h~RCD~]~f~}~?~  
 yZ~+~%D~iB~uVy~Y~Z~R~~GJP~E~\$~i~Lc=f@M~:~.~C~G~>T~}~i~  
 v~J2%?~|B"~L~O~d~5/~<~P~]~^B^~@~C~\~"~D~n~H~B~E~6~u~  
 ~/~~~~~  
 8~j~p%~zo~|~T~19~R"/~2<~/~2p~^~Xi~r~?Eq~^~}'F~H~T~F~\*~C~T~  
 J~O~<u~t~d~\*~y~h.h~T~QWU~Q~+~aB~j~1~n~!~vq~w~bY~#~>~2~C1~  
 âdx~]~\_{~!~eA~C~Oz~Y~y~4~-ESDn~\*~T~b~P~W~0bD~T~u~~s%~2~T<~?  
 e~\$~k%[OK~Y/K~.~~|~|~m\$,~T~4%|~\$~i~Q2m~f~DC~d~l;~t~?~P~  
 y~<~:~;~O~FF~h~Bx~Cr~N~/~  
 ',~EM~{7~XX~>~?f~e~C~9~,~U~H~3~R~K~j~4^~:~e~  
 ~@O~^~+~xw~D~N.~2sl2~`1~  
 Z~M~VV~q~r~O~sx~X~/~6~9~}~9~<~V~r~H~`~\~t~  
 ZMW~[~Rt~7~sG~^~`~g~h~t~zF~6~u~tn>~5~/~-lb~18'~>b~b~O~!q~4%~=-~f~  
 ~i~3~K~}~c~U~!~B~\*~\*~j~qu~z~|~{~p~p~  
 ^~a~>~\$~x~K~`~N2V~f~i~Vy&~4c00/~y~Q~t~\$~f~+~Ac~8~ho~;~J~  
 .~2~+~V~C~H~S~m~PTÉ~2~.~r~e~9]~  
 K~P~@~5~"~B~YTE:~%~n@~%C~D~.~z~}~w~&U~r~JL~(^~0?~Tw+~o~>~@~FG+p@kT~  
 ~\_~[~|~P~t~\*~w~[|~V~q~\_~23~J;~'W~~Z~r~o~?~a~f~Ty~  
 ~Dv~d#~1~}~~c~B~)Hm~p~N~S~!~}oo~v~18/~F~u~[~^~D~Y~e~t~'~}z~  
 d~\$~\$~L~|~H~\$~H~(:ZTA~B~H~a~L~[\*~y~]rzz~IK~WH~:~f~W~'~jsq~[~B~@~V~  
 5MIO~\*^~u~t~z~\$Ap~{~D~(~|~|~ã~`T~d7?~S~ZHus~H~T<~o9~T~t~À;~A~#~  
 CPQ~\_~\*~7~`H{~^~|~-~E~m~q~&~.~)w~>~VC~)~N~  
 .~d~y~%~E~uE~45z9~v~wy~`~9~>~Mm~!~e~i~j~uKR~{~|~A~'~znBM3~  
 Pka~X~j~U~#~E~zoy~h~~R%J~.J~(R~(\$~y~#~  
 S~Y~|F~J~K~O~==~v~b~Z~'WB~~--~8A~.~~F~d~6VN"s~L~Cb~eF~  
 J~r>ER~h~Y~~^~vvM;~]\*~\~'~v~}~L~5~r~N~q~o~s,&C~,~==~,~  
 `2L~VS!~|~\*~i~|~B~\*~i>~S@~\*~0~`~|~p~,~a~.~%~|

■R■.■K■m ■/■2AL■^■ ■R■0=■\*■q■m■}■e■2))R6\*[\_ (g■f■U■■■■G■■■<!■o■■■■g■D■■8■y\*■  
ah■■■■`■■1■■■■1■■■■■■■■!■■@■■x■  
■0■■■■■■■■■■■■\ñ■■q!<■■`■.■■■■■■.■■0  
■a4■■4\■c■■■■\*■■Ga■■■■>■■■■■■:■■0■■■■(■■s0■■■■■■E■■■q;■■0■■W■■■■■■.X■■■■■■b■.■■  
^■■x■■■■%■■■■■■^■■x■k■5■■■■■■x■■■-■■■■■■{V■■■■■■C|■■■■>■&■■■■b3|■-■)■■3|■■■■■■c■  
■a■|■M■■■■N■■■a■■■■p■■■■8■■■■■■p■.■■■■■■[p■■■=■ψ)■■■■r■■■■■■j■■■■■■F■1k■■■■■■k■  
M■■TL■■S■N■■■■4■n■,■M■■■■4■■■<■O%■■■CZ@■■■{L■■■-■■■■■■R■■J■9-■■■■^■  
zE+■5■■7■2`X■y■2■■F■■■■2■■■c■■■■■■PS■■MES■■■■■■■■^■■■■3■■2■■3■■3■f■■0■&■D■■  
■■  
■\$■\$■■■■■■^■■\$■(XcA■■■){■■■}■■■k,1■■■■y■■■■G■■■■z■■■=k■■Yz■■■■yz■^■■■■■■o■■■■m\*■  
■■■■■■■■y■■:F7■u■n■■■■■■t3■■@■■q:^'■&■■■■■■\_■\_■\_■\_3■■■S■■■■d■■"■X/■z■^■■■■■■i■  
■yf■■■■}f■■■■■■&■■Zko■■■■■■%■■■■■■■■■■■■■■■■o■■■■W■■■■o■■■jX■0'■B■■:Q'■d■R■■T■■  
g■■8SD■,■■■E#■X■&■h&■■■■(■■■■&\_■|■■■c■■■T■■■'L■]0■v■L■f■■■■{a■■■(\y■■■■~X■■'!■■E■  
■■■sB■S■%<■■■&■2■■■o■~■■s^■z■■■e■2R■\*■|K■■LV■(S■iJ■R■LW■■■■■\*3■2e■2K)Wf+■P■w)■  
■■■■■■t■■■\*■nA?■■■■1P■a■#k■■■■P■■■vy■■■B>,■■■■(■■■■■\*L■V■\*■■■■w■■■V■■■'!t■W■N■f■W■  
■■■■■■d■4■d■%e ■■m■MI■■■■MI■!■Y&■■■c■■■r■■■■■■■■4■■■D■  
■■K■  
Q■g■5■+■P■\_■`4■ ■■■■■8■U■■'■?■RqW■■■■■■T■■■■R■<■`4■c■P+G■fc■V■■■g■■■H■■■|Z■71■K■<■  
}s■■■23e|■&■zy■■■o■3M■■■1■~■U■L■dTG■■■■x■■■{■9■\*■■■■■%|■■■|M5■X■<■■FD■g■U(■h<■-■  
■■7■v■55Z■z■■■■■■4■■TR■S■n■O■■■■4■■■■?■■\_■`■M■■■■■■■■cG■z■n;O■■4■C■V+■■  
■■■■■■q■\■■■;J■d9■a■ad■■■■}■n■dl■■■■L■■■■■■6■f:C■■■\*■m■■■■!■■5■■)]■■■■@■m■  
■■■F,u3■0p■■■%■n■■■BK■b/■■■6■-■Y■e■^■■■z■+■]z■■■=■■■■■■■■■■■■6■■h■■■:o■M■■■X■8■  
■■■n■■■Rcy■u■■■X■H■,#(=■R■■}a[■■■[■■■■w■>+■|■■■hd18■|■,^■■■T■■■Xx■■■■j■VWU■bv■  
■M■2y■8■o■)■■■■■=■q■a■94cP■■■i■vl&■■s:J|L■q■)9■■■|■v■A■{■.■■N/■3■wc)=■Y■■0■Y■■d■49■  
■■■.■■|E■g■L■\$■■■Y■R9|\_■■■■■■P)■■■?■3■■■x■■■9JJ■u■■■K■x■■■Fq|q■c~■CSJ:■f■<■  
■■`g■-■■■■<■■■Z■d3■e&■L■■■}Y■■(=■Z■c■■■5■p■■■&LJ)■■■■■■■■s■■■■p0|■e■■■%■■[v■■EE■  
}n1■p■%3;■a■\_V■■■■C■■e■6■m■6■■■■Tj,Z■■bB9■k■■■~■■~WU■L■S■2{■\$J■■■ZVr■■■{B&■■■Q■  
■■Qj■■■■]B=■■■■1\*<u■■■X■■0■C■l6■■■■t■■■z■s5■■■■■■■■\*■■■k■■|■■■■■■8|z■\■U|■O■■■Z■  
!w■■■F■■#■■■s■■rN■sr2|o■■■■|■c0■R■!■■■>k■Vv■■n■■■ψ■u■:■■D■■&■|■■■X■Xu■i■  
9■■b■■T■M■■D■e■a■[■■■'■■P■x■■■■:■cf■4U:■h■■n■4■N■■|t■t■J■■%Nx■8■■■■4■■[Q■ ■■@r■9■  
■8x■t■v■]■■■%■■w■B■■R■■V■■Z■■■G■gh8■>|/■■■■■■vl■■■■■■■■!m#-■f■■■■|■■■■\_■Y■■,■f■■  
■■P■r■■■■0G■n■%GYeO■/■■V■■y■■■■■■I■Q■u■O!WS■■w■■■z■■j■■  
■■■q/■B■1jT[p■■■'■■■■■■■■Su■■■m@■n■■■+t■■N■■■■■■3■σ■■■■n@■■■■,xA[■|■■■■qX■A~■■-t■■M■  
xO■<Šo■#■■■■8■ow■7■■■i8■\*r■V"e■%(w■■DH8■p■SN■Z■5■■■X■0■V[■/■/■(c9■■P■Δz■■■]■■■■  
■■■■■■■■|D■\■c■■2!■■■■|■]■■\_■■■|■■■■6■"■r■■^■■■■\_■/■"■■■\*d■■■<p■/■u■■■:6^■F■■)■■■■  
■T■hZ■sT■■■7■Q■HC■■■x■v■Vu■■V■■■<■LS■T■■rs■■■■j■'w■■■■■■.■■■~■■L■N■■■Rb{9s{■■■  
■■■■v■■■■>■■G■■!)■■[■■g■9U■■■■3iM■■C■Vj■■1■■■■■■■■n■■I■■O■■■}■=ZV8O■■■■■■7■■■7■  
■■)^Y■■■■R■■■uS■■■Bq■H■w■Q■vy ■1■■■<■/■>■■■^■■■■■■~G■■4■■V■  
■■■K■'■■>■■D■j■■|■■6■W■w■h■,■■m6■R■■N~■|■■p■Zki[■/■G■■■■k■■■H■■8■mf■■■^■■■■■■q■  
s■■~\*■=b=■/■■■■M■Op■■+■■■■\*■■■'o■■o■■■■n2[%|3■■■■y■■■]ud:■■8■■■a■■■■■■~■5■■■h■-■■  
■■■"0■■p■■B■■1■?■■■|■■2■WC■N■ym■■■?■■X■>■u■■■■■■m■E■<■|■Nj■■■■■■p■■}■■]■■■■.m■■■■}  
y■■■■■■■\*)M■d■■■■■■^b■g{■■■■■■g■■■■|■■[■■■{■/■■■n ■■%7u■h■%Z■■■E■■R■  
■5■u■■■)■P}■ko■1J■-b■■■]A\_q■■■\$■%"}■■p■R■■■■>\*■■■■v■.■■x■■■■■■Rx■■■■o■O{■■vU■q■■■s■■■/A■  
■-/E(R■■BYy■■■■■■■"/:■■■G\■■■■%■dC■■■■■■B■%s0"■■■■■■9■■■Rh■■■■<■■■s■9■■■>0■u■■■#■  
■■■■E■3■j■■ekB■%HhO■■■ofnv~■■■F■oHbIS■e■■r■z■■■T■z■■■J■■■■|k■■■■W■]■c:■■■-■■■■■■■■od■■■  
y■■■y■■■c■U?■■■  
■■■\$)■■■Qsg■■o■■■■R■  
\$■■■f■■9■`■,■■■!|■■■S■■■fb■r■4■k■■■■|!■}■o■■p■Uk■c■,■3■■z■■=■onp6■w■■■?{■■y■■■}\$■)■\_■"■■■■  
■■V■■■■>■■■\_■■■■■■■■v■7■■+■■■■■■~■■■■■■a■■■■  
7K&■■6■\*■■■■■■■■?■■■'■■■(■■\_a■z=■a■■■■■■B^■■■3■■\■■■■■■■■s(l■oN■■r■■■j■■■9■■■P■■■%■■■  
r#■n■■■bU■e■t■■■■hX■m■■b■o|■wf■■■:■U■■■■]■-■■■■■■■■■■■■■■9■■■■T■j■■H>■?■■h■■z■  
{■"■cl■PW■.■\$■■}■=■?■■■■b■■■{C■■■■■■'■■p■■v■86z■■■|ulr■■■0}■■■=f>■s■■W■■\■■■K■■"Y■F■■  
3J:Z<■■2■x■@<■3+X■y■AE■\_/■N■■Av}■{g%■■C■■~y■a}■■7t■zT3?■o■■■[■5■■■]F■50|■■we1z■■■52■  
L?■■■~z■■■%8■■2%Lwr■■■8■]■/■■■■■\*■■■■■■3■■■t■■\e■;■6MM&■!■m.■■|■d■c■fH■A■■■t■■ib■■■■  
■■Sw■#t■`■ZZ■■■■■■j■C■■■B■45: ■■■■■■■"je■c7■Xs■■■]!■■t■\*K■■:■■x6■V■6■s'■|■=s■u■■■■■=4■  
x■■u■:■■■■■■?■w■q■■■~P■Q■^■■RO|■■|■.&■■■Z■■■z■■■R■e■>■&■S■h;■N■■Swj■■v|■■■cv]■Tf■x■%■  
■?■x{■B■g/■■■k3■■■C■■6■S■Q■■1-■■■6■-■n■■[■■■\*■.■■■■■■=■iM(■1■L5|■■■[■■~2&■■■^■■■xL■■■2■  
■■■■■■+■Kyj■n■■■■■■½■■■J■p■■■Ú■■■Z■[■■■1Y■a■■g■u;}■■■■■■■■~6■s■■w[■m■■■■■■%■  
■■■■■■E■■■q■■■6■■r■■|■■{jb■■■;■&\_g■■■-U■j■i)■■e■■■■■■9k=■■Kl■■■i■■s■■■■R■■■■

[illegible]





```
g\itX:|ES|5$%fP<0M|Z|X|h1|J|
w @K||2"v),{dkM_k_BXGX]T5bQ|a+o|5J|A|;
[e(Vd]U||.^2L2v|[1P0@~|b|5n;|0^}|h|d|,"ZO;|eYr|
u::C9P/^n`3$B|e|w,|3|lf|a`#<|p|j|E|V3|>|Z|\y|Nt|p?|9A|
E|#|<?|c=|3O|Az|/2|uU|"q|r|J|G<G|M|e|l)|R|=1|!|I9|&|2RF|6|
(|{"2kE7t5Y|x>|3?|<|-[|#[A]|S|dQ||&H|.D|]V|D|T|H|
Y^A|,L|y|9|K|d!|P|:K|!^"V|C|z|D|f|e|X|x|}|p|z'|G|v|
^DO|rV|+|(n|<|?|m|){KT|E8c#|;|;-|9|_vpN|a|vq,|j|v`|zV|&V|
s||q<|_4>|q?|,|1|T&|S|m|V|3|rl|u|q|z|e|0|v:|4Zk|:|M|:B|
@|v|f|w|H|Es|l|]|/)`|o|*|Y<*|l|g|'6|v|^|n^C|iW|!|%|y|2|9|8|
<|{8R|0|R|}$|_d|~6|!|.|&|=|l|~t'|;2|}|m|W1|0|%|/|UG|i|^4|
5|G|N<|g|w|6|,|?|>|3|A|L^P|K|Z|Y|>|"|d|Ar_|s'|
6|q|Û0Gz;|9$|vg5|r|L|,ccJ|:a|v|7|s>|v|M|M;Ko|^|j|O|C|v|
O|m|h?|7|?|j|]uN|mE|~|m|?|$J[o|9|iV|}|A|E?|p|
x6|E|q|
Z|4|S|92G|qE|Î|6|p|h|]|s|k|Z|P|M|K|L|1|2|O|3|
`|=|w|lp~|Z|2|c|R|c|o|1|m|G@|=|
D|Q|k|E|g|T^|y|q|9|/|wz|N|?K|Z|A|3|ON|P|T|'F|9a|
#|ŽX|l|1|4|{|H|6a|1|j}%|.h|L|W3iZ|4|x|l|UNy|l|g|'7|~H|`|n|~|5|
3|7|4|]|~9W|f|<|G|e|;|"C|P|?|f:7|&s|&t>s|u0|%|LZ|N|&W|
2|/|Wo|l|$|n)|N|U|X|^|*6|u|s"s4q|1|j|i|B;|<u|
$UM|h|\|e|Lw|U|a|j$(!|nX|r|j/c|{<|;|`p|!|./|yr|}|F@<|y|*+|
`)|Yc|Q|y|
N3|H|)`|~|o|9|H|Q|]|P|e|]|=C|d|@|%wV|r|+|=|o|E|
1|9|a|4|:|]|Y|BG|a2t3|`|,|`|]|r|$d0|W|5|t|=|~|C|
'|E|k|y|p|z|i|%|w|k|{X95f|d|zF|'|`|M|z|:|]|%|j|d|:1|
u|h|'ez|HR.|p|4|++|z|.uZ|5|<|o|;|!|j|su|US|T|3*|
|/9|+u|Y|g|n|7|];|,|p|7|h|~+|z|&|W!|q1|)|m|0|]|?|
j|w|n|(|q|w|_6|d|}|ap|
9|\\=K@w|]q|]|?|'|)t1|
E|y|{5|l|}|>|P|%|J|y`%X|~|^|E|F|=|
u4|E)|U|XAWA|x|@6|m|A|>|j0|T0|8|3|b<|P|r|s|b|h|K@|A|
z|{|8@|E+|k|S|w|Q|{|(wvc|Y|1|x|:|C|G|=|q|~P6-|1|&|H|Ws|Q|w|
1|gFS|r|Zq|(.Su`F4wP|K|x|o|c|r|=|%|y|9|j|d|>3a|~(|h|XE|1|
|"H|ho|4|{A|"|$7|S|"|%Y|x|4|w|=oc|p|é|k|k|%|=|
e|K|K,|Y`|g|Ú|0|$h-|`0|Gk|Aq|$|;|`#^|m|{W|=|
Z*g|h|-f|E9S|i|A|4½|@|\\{|A-P|j^uP|$7AU|x|OW|
|#_|9V|a|)|<|#|1|p|Ñ|X|UT{|j|7|
h^|p|G|h|)p|X|G|<|`|(X|.SE6b|cv|`|*|
1|S|z|~zo|zO|^|{|nzWW|Q|z|+|o|t|g|2|=|q|
Z#|i|L|49|-|uV|5|j|Zd|*)|Y|&|L|@d|+c*|gv|CK1|P|@4|ZR|65P|M^|*|
F7Ve|Y|3+|<|,|R,|N|#O|,|(0|Y|j!|M|J5|?|_|
endstreamendobj1145 0 obj<</Filter/FlateDecode/Length 229>>stream
H\j0~
Cq|t|JfXd|8|}|7t0|'|7|'|8|-B|'|?|6|]|`|7|p|,A|8&|
*p|O|f@|Nt|0|?|p|"Q|T|Y|RH|Rmg|x^|Eq|}|{
e'f|w|,|<|kM1D|j9|!|o|
endstreamendobj1146 0 obj<</Filter/FlateDecode/Length 322>>stream
H\0|}|l/|D(|/|u|4|C|]|93|~Y|*|Q|8C|keq|V"x|'BP|7|
'H|)|<|_|]|v|N.}|#|0XI|k|+|J|WV2|G|q|Qr&JBR&V|S|R|
endstreamendobj1147 0 obj<</Filter/FlateDecode/Length 227>>stream
H\j0~
C|J|C`|t|r|Z|l|l|&|A|O|/|-|u|a|C|q|M6|-p|s|
w|rq?|q|=x|r|);(A|)#|o|
endstreamendobj1178 0 obj[1180 0 R]endobj1179 0 obj<</Filter/FlateDecode/Length 230>>stream
H\|Mj0>3|m|t
Y|=|c+|,r|*n|B|6|}|Y|i|l|
G|a|!|g|1|:|_|n|li|u|8|4DUU|E|3|px|p|l|#|n|l|'|<2|;|!|Z/z|l|
endstreamendobj1180 0 obj<</BaseFont/TLRCWG+Calibri/CIDSystemInfo 1181 0 R/CIDToGIDMap/Identity/DW 1000/For
```



[illegible]



```

u$~|5O OsuwV d N. WL L 7O T(
{k d9< ?vU+ =u T: >8 u >##
q A œ J wt D # 8 ]B#NA " & , 5 Z O # = 9 W ] v " } J M !W
Z NuMw @ Vo W ~ \ f G v FBJ ' S u O C & K p ) z { a UB ~ ' . x : { M
KV wy ! Rt C ' Dw ] h " F6; A RgiOPS ? 4 Q ' " S8 _ 2 e8 e1 c z
@ ' 7 0 O K Q P a k 8 = { s A = ; 0 D E M4 ^ D # a , j1 f
1 * \ Yr 8 Ts0 = s i K9 s l } ? " d V A < 1 & : | T C
[F2, > } A id | J9 r ~ S t Y GH } wl = Y + o " w < V c d ! 9 \ Q > < m 9 N > w 7
m = G Jof g < ; 0 " t F5 f 7 $ } J | 78 x * & ' < " 8 u g U + J 7 l ^ { w v3 R
i X 4 AF JEVHM XN 77. S O
} " j ~ = E XW g > d < | ^ K
k G, ? Su z w 8 O v v NG r H } log it ? 3 u k
) ) ) } ~ D (
r # j H s12 % t! Q$ H, B < + } 0 w . 6 ~ N $ < { } %
a j / e Q ; { { AZ: 3 { = } ; x 7 + ` Ku C i " w x + s :
Z 0 T3 V h F0 lhf X
C2d i K N { j / z ` j . s * . | L * | 25 G C σ |
W ( ih ^ z C
Gl ' o fb W3 | F a i j } V ^ U c 2 18 G8 < j Z % | Y | y \ f
: Z . b & 6f Q " x ~ > a c 7 = c Y 3 E o8 * K 1 / f 5
1 nw f Y " | @ , 5 L ^ 1 z z g O ( Y 6 JRL { x h
T & U [ s P h / w j QO6 M + \ | A ~ Mqk # * $ ? 9 ^ j O : ? ? L
. pYL + V Z + { " I % s cg l W3e r } _ 4 % = 3 : L XQ4 M B t. 25 RF L e
| XL ? ( M b b tg tcd9 d 5g : 9 o ; a : s v W * Ob . k W E
8 T p b ) l , ! " D j Z j O ( w6 LL ` | | ' A B 2 h = SAF
C ? , w M * geRA tèt ; ( n e ; P G { 8 < E
h m d3 le ! < 9 h h f ` & å9 u o
I $ { J EF ; # 0 d > | > < RV Wf > < | x } K . | Y O g = T = o V J A - a ' OMF
( ( 7 P w G 9 GM + * e _ L " V = g n ? L $ P 76 ! r 9 d i * * y L ' $ z
! $ y Y Q By TA j " 6 : S V P e C , R P ` 7 ? ov { = { * - _ 0 & _ }
~ C ð + k D
F3 & ' n ; s } * ] Y H ) + m 4 ` x f j x > } 0 w 3 H & ` _ x3 & ' g v ` t m y
J j l7 , T t L 8 w pv * u U ; { ~ * g . 5 | 8 Z v @ } 4 @ h
w 9 z = o 9 R + R L K x Gm4 Y 6 _ $ S
G - 5 r k % ^ ` b7 / w k ; R K J = t ^ q * 3 W t - m | j q Xh 67
l H - " S ' / o ) g k L , 0 C ! z { < + A > y G & ! } , s L7 w 0 y
r va P s Q b > C * e n 7 G < A ^ / / ^ # , A z | ^ b F C8
Q ~ J B | fc 3 = ) ! M = D ) 1 w l } | Z z
- = > K u 9 X ; < J J J { r ^ K G u J D U ~
1 d & j ( ' q XV6 q1 M b " P ¼ G A H ` , F # (
N / " ~ _ < F D H ` ? ' ? ? ? 9 ( ? ! ? ? & 3 GL C | x x > q O O =
u 5 r ; 3 f v a _ D % Y | ) D h # D + r ; 0 h & ^ + + & ( | ! - i y U , )
u P . / ? ~ : : s y $ ^ * k E k @ 3 ( B w 4 z BM C 5 JO ? ( Bj ; 4 4 Uz p 3 ! :
| w _ | > 1 F | y 6 & x ^ C U 2 x p x < ç g ) | Y ` 8
endstream endobj 1197 0 obj << /Filter /FlateDecode /Length 261 >> stream
H \ M j 0 : , E | us Y Z ; B
H 1 o # 8 a X pv z e E x l z - s c U s I N e = h 97 xw ' 5
endstream endobj 1199 0 obj << /BaseFont /OPEKIB+Calibri /CIDSystemInfo 1200 0 R /CIDToGIDMap /Identity /DW 1000 /Font
H j P 8 '
endstream endobj 1203 0 obj << /Filter /FlateDecode /Length 20713 /Length1 74847 >> stream
H V p g r + P & z J M RKK # lsw ! " @ \ . \ J ) P , - ( Tk ) * T - { P R U ? R q j
; , . G 8 ! B } / ~ ) N 1 p
u U A ^ ? m J ( 4 C ~ \ , ~ F < 7 ~ M ? ' K . m H > _ } Wp
U z T < R H ^ A Q 0 c C p

```

ZC`rK%wIQR2OAxmR\_GH0G8o2mU.i1"kk<ww'D?/C!6]mO  
Of49~a9W+sDY'E~\_l\_4k24<+|m32f\\$\$\$u!...+WM7\*8+8  
y5"2Bm`+\_zvqt'a01\*V^+('a"1>Gv%P;,,P  
d!!!!!!!!!r8||&!!!!t>N+|w=====q\qPxxxKK\*0!eP\\$\$\$  
D/O^h)]]zuP  
up\_Dr#`Rc(~~A#|#ywlOs'wCpHrb( Pf  
"p>eG}3Px|@5x-G92tTIYw}#c1&u[fVpPJ5kGK{\*]W  
Yd'a9a@A|Hv6'nT&B|L,8X\z'aoo  
"O"Eh=LTw]\_&R"x"P'RRU;N-UvccJiH  
H;Z>Eex"=====  
L\_K59k;\$'MF;?<|1G0d'k0&T\_KQMj...}::HfoIlg`  
|\$DTTl9[S=C=4||vC=i=0,XVHOEi||x=,{}/U  
7K^T3z5;os%T}{^@Uwss:BTPDAm}D5DE!''\*  
\*A-ZS|yib>6E[|6E~{t/vLw<1CM5oVB'd%G  
bHIBzC^L\_AxykUAx{::M3\$\$sU#cj}j\vv;;&R+V  
%Z#+#XUcAn#g9g)k  
kN:Eene'//EJ@jjjj&<yyNtp? K  
i&\_g==Hs)dXUH?;|=hi(6yvk7ZL{fmW~  
?kU5(x.Lc)}\_gKlyrr&e?YLROrr5<||A6~  
}8MY,\$\_fCqD>e&8gTY+kwu);KFbYDf/~q(drr  
&Nm~nJH07w1,\$==^3u=70XiiK&!!oh5Zx:7w'  
+x)}^wwwf7gsopF'\_|/Nd  
eDiP,F]%C6(hElu1g0zi,^>1Ug~26KG3W( \_F\*F+  
NHpZ\*~\*v4|D|M!wB!m? ]QCoo8;9'rXV)Xb'cXw.)  
0nnk+Yvv%j[o\$CY,w'c?{vKO%4qgJs^tF}9W  
}@H>|~aH>ww}u^&@,C/B}}kk.M9Lquu? .sEE  
Wwoqw-sV2g;C8{  
g0B.B.AZYEeTg1?>&||,\$zgw;s\$LLFv)s%-W  
T?NVZk8eJ!Mrr'hYPP^Vsy@wvcV{\*v"  
^Du,m,rw=e8y4zq;|=c=@D  
W>^i~MiD3=kx'cU2zQ9%h4P,YQ[D'POgaV  
Y||5duN=;},bOI9{:@3)o?? //  
WD[S[EgoU^?v6Nx9!|\*4bbih.;oozl|aybjd  
{D:h)CTo6kD\$NmBQ^PY\$e=DDr'hQ~==  
)|j,1i=a<{#EV?;d8rLP  
S9C4%7g"hhQ5^LVH=\_dA=sWhi  
<t8,~!|?+&cSZ>\$NH\_3-5.HeeBk,4/KqY:cs:Yd,ok:-  
4;K2\WTTttV#u|>%%9AA@O"JNVwl+  
OCw|c|a|q::r|{2|Cw0AyN1p0)}|[FVQ])  
::r>L<X{ \_~BL/4q|nc|k|f|q>q]|x|<,z' ,\_F  
a|w%4p|jP@#|x|eF|tEG8Nw|sA|m@F:  
<&"l0W%v}|[y]yVAN@LZ\*->yWYÃ=|>n.,wr;k|=75Wtfr?1Z>w  
-y4Umm:mZJBZJw1HU[3g9s;`ooqGdJ}&{F}m0  
k&d&23A  
2siD\*P::f=1z^Cnvv(=)Ok  
Jtt0[oo.C}XjPuN=qz|i9Wi~^A)  
|w|q\_s?JVV'6ws2D2rF{W[i=Xq|i1mugHN{L}a5j  
zW|a@ThD|F|E'&hEQoV6@{Xv})kk|e\X|  
\$6"eeU"GGVc  
<[x?|h|c.G!|[XOaP~!|i|v|i|u%Slkq^  
<|c|x'|C|=ylR|U|g|v2|T-C|C{|=K6sJ},E|v"  
VJ|c5C|iDk@>M~KC--4|IR3D|c,|h\|e|l|qF  
Xoo|wS6|eT|XG  
XHMJ  
S."7!nR\$b|i|oW|h<|4Z\_||u||2#c  
m;|jhek#w|g|Q5R|C2Q\_|-S|p||81=||j|J||0JG|'9;QW|u|P  
\*||0#||[bz5'|W&1'%1{|::;>>Yg\|sYV||L4=!!fV|d||\*  
~NF||9||y|.q|||Q|/M#|u||QR1|Fq|i|O0R|n||j||a|g||1|jx"w[

## Outcomes Assessment and Evaluation

Research Experiences for Teachers Archive  
NJ Forensic Science Education Conference  
Teacher Prep Program in Forensic Science  
Virtual Learning  
Family Programs  
STEM Family Workshops  
Family Open Houses  
Virtual Learning  
Competitions  
Elementary STEM Challenge  
New Jersey Science Olympiad  
News & Events  
Events  
News  
Home

eSTEM Challenge  
eSTEM Challenge

The Center for Pre-College Programs at NJIT is proud to announce our fifth annual Elementary STEM challenge for elementary

In This Section

Home  
About Us  
Student Programs  
Educator Programs  
Family Programs  
Competitions  
News & Events

This year's STEM challenge will feature an exciting "Community Problem-Solving" question, where students will harness the power of

Challenge Date:

Thursday

,  
March 20th, 2025 from 8:30am-3:00pm (Snow Date: March 22nd, 2024)

Eligibility:

3rd - 5th grade students

# of Team Members:

4 - 6

student members per team (Limited to 1 team per school)

\*We are no longer limiting the number of schools in a school district from participating!

Registration Deadline:

Friday December 6th, 2024

Registration Fee:

Payment method must be by check or school purchase order

Early Bird Registration: \$299 per team

(must register by November 4th)

General Registration: \$349 per team

Costs includes:

Supply kits

Engineering Logbooks (one per student)

A teacher-coaches live, online professional development workshop

An opportunity for teacher-coaches to participate in a hands-on session with the provided technology that will be used for the challenge

An NJIT student mentor who will meet with the team on a weekly basis for seven weeks prior to the on-campus competition

Challenge Components

:

Engineering Design Device Demonstration (40% of the overall score):

. The first component of the challenge will require students to demonstrate the devices they worked on for the six weeks leading up to the

Game Show Challenge (15% of the overall score):

The second part of the challenge will be a game show style question and answer challenge where the teams will use a Computer to

Oral Presentation (30% of the overall score):

The third part of the challenge will feature team members' presentations of project overviews that include their design processes and

Engineer's Logbook (

1

5% of the overall score):

The Fourth part of the challenge will require the team members to complete and submit an Engineer's Logbook.

NJIT Student Mentors:

Each team will be assigned an NJIT Student Mentor that will meet with the team on a weekly basis for seven weeks prior to the

Teacher (Coaches) Professional Development:

Thursday, January 23rd, 2025 from 3:30pm-4:30pm (virtual)

Awards & Prizes:

The challenge will culminate with an award ceremony that will include the announcement of first, second and third place challenger

If you have any questions or need additional information, please do not hesitate to contact us at

eSTEM-group@njit.edu

.

2025 eSTEM Challenge Waitlist

We have reached capacity for the 2025 eSTEM Challenge.

Click here to add your team to the waitlist!

Callout Link

Read about eSTEM 2024 Below:

Young Minds Bring Health, Wellness Innovation to NJIT's eSTEM Challenge

Callout Link

Read about eSTEM 2023 Below:

Elementary STEM Event Teaches Children About Microcontrollers and More

Callout Link

Read about eSTEM 2022 Below:

NJIT's Second Elementary STEM Challenge Conquered by 30 Local Schools

Callout Link

---

Page: <https://www.njit.edu/inclusive/contact-engagement>

Contact & Engagement | Diversity and Inclusion

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments

Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu

[Search](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)  
[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Canvas](#)  
[WebEx](#)  
[Jobs @ NJIT](#)

[Search](#)  
[Admissions](#)  
[Academics](#)  
[Research](#)  
[About](#)  
[Life at NJIT](#)  
[Athletics](#)  
[I am a...](#)  
[Apply now](#)  
[Home](#)

[Contact & Engagement](#)  
[Contact & Engagement](#)  
[Contact & Engagement](#)  
[Contact & Engagement](#)  
[In This Section](#)

[Home](#)  
[Signature Programs](#)  
[Contact & Engagement](#)  
[About Us](#)  
[Identity-based Campus Clubs and Organizations](#)  
[University Non-discrimination Policy](#)

[News](#)  
[Inclusive Excellence Resources](#)  
[Request a Workshop](#)

[About Us](#)  
[About the Office of Inclusive Excellence... \[more info\]](#)  
[Identity-based Campus Clubs and Organizations](#)  
[Check out our Inclusive organizations for the most up to date list of organizations on campus... \[more info\]](#)  
[Request for Professional Development](#)  
Upon request, The Office of Inclusive Excellence is available to provide IB professional development and learning experiences!  
[inclusiveexcellence@njit.edu](mailto:inclusiveexcellence@njit.edu)

.  
Currently, Unconscious Bias workshops are available for faculty, staff, and students once a semester. To learn more and register  
<insert link to register>

[Committees](#)  
[Committee on Inclusive Excellence](#)  
[Black Heritage Committee \(BHC\)](#)  
[Hispanic & Latine Heritage Committee \(HLHC\)](#)  
[Bias Response and Education Team](#)

---

Page: <https://www.njit.edu/admissions/undergraduate-admissions>

[Undergraduate Admissions | New Jersey Institute of Technology](#)  
[Skip to main content](#)  
[Close Nav](#)



Admissions  
Undergraduate Admissions  
Freshmen  
Transfers  
Admission Requirements  
High School Counselors  
How to Apply  
Admitted Students  
Graduate Admissions  
How to Apply  
Graduate FAQs  
Admitted Graduate Students  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization

Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety

Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home  
Admissions  
Undergraduate Admissions  
Undergraduate Admissions  
At NJIT you will thrive in a community that's constantly pushing science and innovation to the next level. Our students are motivated by the challenges and opportunities that NJIT provides. We are committed to providing a world-class education that prepares our students for the future.  
Admissions  
In This Section  
Undergraduate Admissions  
First-Year Students  
Transfers  
Admission Requirements

School Counselors  
How to Apply  
Admitted Students  
Graduate Admissions  
International Students  
Tuition & Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Blog

Our First Priority is Our Students

NJIT is dedicated to providing students with the opportunity to succeed at one of the nation's top public research universities. We provide information for

Parents  
High School Counselors  
Transfer Counselors

NJIT is ranked among the top 2 percent of public colleges and universities in ROI and recently invested \$400 million toward new programs. Learn more

NJIT, designated by Carnegie Classification as a very high research activity university, is part of the nation's most elite and productive. Learn about applying

Transfer students can transfer credits completed at a regionally accredited institution provided they earned a "C" or better and then more. Learn more

Meet our Students

Our first priority is students, it's our most important asset.

Apply Now

"NJIT filled me with confidence and helped me to discover and assess my leadership style."

Theresa Wagner

Class of 2018

"The curriculum helped me gain the experience I needed to design and develop software systems."

Chaitrali Rane

Class of 2019

Fill out an online  
application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <https://www.njit.edu/admissions/previously-enrolled-students>

Previously Enrolled/Readmit Students | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs

Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students

Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...

Apply now  
Home  
Admissions  
Undergraduate Admissions  
How to Apply  
Previously Enrolled/Readmit Students  
Previously Enrolled/Readmit Students

If you've already finished at least one semester at NJIT, but then took a full semester or longer off, you are required to apply for

How to Apply  
In This Section  
Undergraduate Admissions  
First-Year Students  
Transfers  
Admission Requirements  
School Counselors  
How to Apply  
Transfer Students  
Previously Enrolled/Readmit Students  
Dates & Deadlines  
Admitted Students  
Graduate Admissions  
International Students  
Tuition & Aid  
Visiting/Non-Matriculated Students

Dates and Deadlines

Apply Now

Contact Admissions

Blog

If you have already finished at least one semester at NJIT, and then took a full semester or longer off, you required to apply for NJIT employs rolling admissions so your application will be evaluated as soon as your file is complete. If want to re-enroll at NJIT

Fall Semester:

August 1

Spring Semester:

November 15

Winter Semester:

December 1

If you are returning from an academic suspension, the deadlines are earlier:

Fall Semester:

July 1

Spring Semester:

November 1

Winter Semester:

November 1

Please note that if your file isn't complete by the deadline, we'll consider you for the following semester.

Application Checklist

Completed application

Application fee

Official transcripts of any courses taken while you were on leave from NJIT

Personal statement

Quick and easy application process

Apply Now

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <https://www.njit.edu/about/rankings-and-recognition>

Rankings and Recognition | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)



Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ

Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving

MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Menu  
Search  
Alumni  
Giving  
MyNJIT Login

Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Search  
Admissions  
Academics  
Research  
About  
Life at NJIT

Athletics  
I am a...

Apply now  
Home

About NJIT  
Key Facts

Rankings and Recognition  
Rankings and Recognition

As one of the nation's preeminent polytechnic institutions, NJIT is often ranked highly in independent university assessments, p  
Key Facts

In This Section  
Key Facts

Rankings and Recognition  
Administration

History of NJIT  
Visiting NJIT

News  
Contact Us

#1 Public University  
-

The New York Times  
College Ranking Tool

Top 100

National University -

U.S. News & World Report

#42

Top Public Universities Nationally -

U.S. News and World Report

"5 Stars"

Best Colleges in the Nation -  
Money

Top 100  
 National University for Social Mobility -  
 U.S. News & World Report  
 Top 2%  
 in Return on Investment Nationally -  
 PayScale  
 Top 100  
 National  
 University for Alumni Mid-Career Earnings -  
 PayScale  
 R1 Research University  
 , the highest rating awarded by the  
 Carnegie Classification®  
 (187 colleges nationally and only three in New Jersey)  
 #23  
 Best Value Public College -  
 The Princeton Review  
 #43 Best Value  
 Nationally  
 - Niche  
 #1 Public Best Value  
 College in NJ  
 - Niche  
 #11  
 Best Career Placement Among Public Colleges -  
 The Princeton Review  
 Top 50 Best Value  
 of U.S. Universities -  
 The Wall Street Journal/College Pulse  
 #1 Best Value  
 for public universities in New Jersey -  
 The Wall Street Journal/College Pulse  
 #80  
 Graduate School for Engineering -  
 U.S. News and World Report  
 #79  
 Best Undergraduate Engineering Programs -  
 U.S. News and World Report  
 #126  
 Global Electrical and Electronic Engineering  
 - U.S. News and World Report  
 #55  
 Master of Engineering Online Program -  
 U.S. News and World Report  
 #11  
 Best Online Master's in Data Science Degrees -  
 Fortune  
 #86  
 Best Graduate School for Computer Science -  
 U.S. News and World Report  
 #52  
 Best Colleges for Veterans -  
 U.S. News and World Report  
 Ellucian Impact Award for Digital Transformation -  
 Ellucian  
 'Best 390 Colleges'  
 -  
 The Princeton Review  
 #26

Nationally for College 'ROI' -  
UniversityHQ  
#3  
Best Bachelor's and Master's Colleges in New Jersey  
- UniversityHQ  
#74  
Master of Business Online Program -  
U.S. News and World Report  
#16  
Nationally for  
Master's in Management -  
TFE Times  
#8  
Master of IT Online Program -  
UniversityHQ  
#33  
Master of IT Online Program -  
U.S. News and World Report  
#2  
MBA Hybrid Online Program in NJ -  
UniversityHQ  
#44  
Nationally for Undergraduate Entrepreneurship Programs -  
The Princeton Review  
#36  
Nationally for Game Design -  
The Princeton Review  
#1  
Biomedical Engineering Program in New Jersey -  
Best Value Schools  
#6  
Biomedical Engineering Program Nationally -  
Best Value Schools  
Top 5%  
Ethnic Diversity Rankings -  
College Factual  
Top 25  
School for Game Design, East Coast -  
Animation Career Review  
#3  
in New Jersey for Animation Degrees –  
Animation Career Review  
#1  
in New Jersey for Game Design -  
Animation Career Review  
#16  
Nationally for Information Technology -  
College Factual  
#8  
Nationally Ranked School for Civil Engineering -  
College Factual  
#1  
Nationally Ranked School for General Engineering Technology -  
College Factual  
Fill out an online  
application today!  
Apply Online  
Download a brochure and learn about NJIT  
Download

[Schedule a visit to campus](#)  
[Schedule a Visit](#)

---

Page: <https://www.njit.edu/life>

[Life at NJIT | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council

Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now

Our campus has doubled in size in the past decade to include new residence halls, a 190,000-square-foot Campus Center and



## Engage NJIT

NJIT gives you more than a world-class education. It gives you a community. The friends and contacts you'll make at NJIT, whether in 140 student clubs and organizations

or in dozens of

community service projects

, will enhance your life and impact your future. The

Office of Student Life

administers a wide range of programs and services that benefit the student population.

## Explore NJIT

NJIT is located in

Newark

, New Jersey's largest city. Newark is also New Jersey's cultural and economic capital, boasting

performance spaces

,

professional sports

, great food, and five other colleges nearby. We're also 20 minutes by train to

New York City

, the greatest city in the world. On any given day, you can watch a sporting event (we have 19 Division I teams), challenge friends

## Enjoy NJIT

Why not live where you learn? More than 50 percent of first-year students and 25 percent overall live on campus in one of our fine

residence halls

.

Learn more about what NJIT has to offer or

schedule a visit

.

## Meet our Students

Almost 2,000 students, and nearly 50 percent of first-year students live on campus

## Apply Now

"NJIT gave me the freedom and creativity to tailor my degree to best suit my interests and talents."

Danielle Tavella

Class of 2017

"I appreciated the intellectual challenges, career preparation and diverse student body."

Karen Cilento

Class of 2012

"I think I learned a lot from NJIT about myself. How much I could push myself. How much I could accomplish. There are no limits."

Mikaya Hamilton

Class of 2021

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <https://www.njit.edu/graduate-students-master-your-future>

Graduate Students: Master Your Future | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

Admitted Students  
Graduate Admissions  
How to Apply  
Graduate FAQs  
Admitted Graduate Students  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program

NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking

[On & Around Campus](#)

[Athletics](#)

[NJIT Highlanders](#)

[Apply now](#)

[Undergraduate Students](#)

[Transfer Students](#)

[Graduate Students](#)

[Continuing Education](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Canvas](#)

[WebEx](#)

[Jobs @ NJIT](#)

[Menu](#)

[Search](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Canvas](#)

[WebEx](#)

[Jobs @ NJIT](#)

[Search](#)

[Admissions](#)

[Academics](#)

[Research](#)

[About](#)

[Life at NJIT](#)

[Athletics](#)

[I am a...](#)

[Apply now](#)

[Where Innovation Comes First](#)

At NJIT, you'll be part of a world-renowned polytechnic university that prepares students for innovative careers at top companies.

You'll not only study theories, but apply what you learn in more than 70 research centers, labs, and institutes. In addition, career

[How to Apply for](#)

[Master's Programs](#)

[Ph.D. Programs](#)

[Graduate Certificates](#)

[Graduate Important Dates](#)

[Ph.D. - October 15](#)

[Master's - November 15](#)

[\(International, Domestic, Online\)](#)

[Add language: If you are an International Graduate student, please go](#)

[here](#)

[for more information on the international admissions](#)

[How to Apply](#)

[Graduate Admissions](#)

[Contact Us](#)

[Enrollment Services Manager](#)

– Graduate (Master's) Online  
Ying Wu College of Computing  
Simran Sawhney  
simran.sawhney@njit.edu

Enrollment Services Manager  
– Graduate (Master's) Online  
Newark College of Engineering, Hillier College of Architecture and Design,  
Jordan Hu College of Science and Liberal Arts, Martin Tuchman School of Management  
Carly Hickey  
carly.f.hickey@njit.edu

Enrollment Services Manager  
– Graduate (Master's)  
Newark College of Engineering, Hillier College of Architecture and Design,  
Jordan Hu College of Science and Liberal Arts, Martin Tuchman School of Management  
Ashley Hunter  
ashley.hunter@njit.edu

Enrollment Services Manager  
– Graduate (Master's)  
Ying Wu College of Computing  
Yaslie Pared

yaslie.pared@njit.edu  
Meet Some of Our Students  
Join us for our virtual and on-campus Graduate Admissions events

Learn more  
“NJIT gave me the skills and experience to complete internships with major companies such as Viacom, BuzzFeed, and Sesame Workshop.”  
Liem Ho

Class of 2017  
“With the excellent training I got at NJIT, I am ready to start a new journey and explore the world.”

Xinglei Liu  
Class of 2018  
“I have incredible appreciation for the Honors College for equipping me with knowledge and resources to succeed.”

Rahul Syal  
Class of 2018

Top 2%  
for return on investment  
Source: PayScale.com

\$167M  
total research expenditures in FY2023  
Find the degree program that's right for you.

Learn More  
Fill out an online  
application today!

Apply Online  
Download a brochure and learn about NJIT  
Download  
Schedule a visit to campus  
Schedule a Visit

---

Page: <https://www.njit.edu/research/streamlyne/>

Streamlyne Grant Submission | Research  
[Skip to main content](#)  
[Admissions](#)  
[Undergraduate Admissions](#)  
[How We Evaluate Applicants](#)  
[How to Apply](#)  
[Admitted Students](#)

Graduate Admissions  
How to Apply  
Admitted Graduate Students  
Graduate FAQs  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Majors and Minors  
Academic Support & Advising  
Graduate Studies  
Graduate Degree Programs  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional & Corporate Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
NJIT Strategic Research Plan  
Research Data and Publications  
About Us  
Centers and Laboratories  
For Researchers  
Funding Opportunities  
Active Programs and Grants  
Proposal Preparation Forms and Guide  
Policies  
Pre-Award Services  
Grant Management Guide  
Grant and Contract Accounting  
Post-Award and Closing Requirements  
Grant Management Software System  
Research Compliance  
Responsible Conduct of Research  
Institutional Review Board  
Institutional Biosafety Committee  
Laboratory Safety, Training and Compliance  
Animal Care and Use (IACUC)  
Export Control  
CITI Software  
OMB Uniform Guidance  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors

For Industry  
IPP FAQs  
Intellectual Property (IP) Committee Members  
Commercial Enterprise Development  
Contact DIPP  
Educational Grant Support Resource  
Educational Programs Support and Centers  
Academic Achievement Program Agreements  
Funding Resources and Opportunities  
Proposal and IRB Templates  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Courtesy Appointments  
Distinguished Research Panels/Seminars  
Research News  
Research FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Maps and Directions  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders

[Apply now](#)  
[Undergraduate Students](#)  
[Transfer Students](#)  
[Graduate Students](#)  
[Continuing Education](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)

[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Moodle](#)  
[Jobs @ NJIT](#)

[Menu](#)  
[Search](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)

[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Moodle](#)  
[Jobs @ NJIT](#)

[Search](#)  
[Admissions](#)  
[Academics](#)  
[Research](#)  
[About](#)  
[Life at NJIT](#)  
[Athletics](#)  
[I am a...](#)

[Apply now](#)

[NJIT Implementation of Recent Executive Orders](#)

[Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research](#)

[Home](#)

[For Researchers](#)

[Streamlyne Grant Submission](#)

[Streamlyne Grant Submission](#)

[Streamlyne software](#)

[supports the NJIT proposal submission process, IRB protocols and COI research compliance.](#)

[For Researchers](#)

[In This Section](#)

[Home](#)

[Office of the Senior Vice Provost for Research](#)

[For Researchers](#)

[Roles and Responsibilities in Grant Management](#)

[Funding Opportunities](#)

[Streamlyne](#)

[Pre-Award Services](#)

[Post-Award Management](#)

[Research Compliance](#)

[Research Policies](#)

[Courtesy Appointments](#)

[Pivot-RP Research Funding](#)

[For Students](#)



Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Intellectual Property and Commercialization  
NJIT Research Centers and Laboratories  
Faculty Awards Initiative  
National Academy of Inventors - NJIT  
Research FAQs  
Research News  
Contact Us

Streamlyne software supports NJIT proposal submission process, IRB and research Conflict of Interest (COI) functions. Further, as of July 2020, Streamlyne modules are available for the following research administration functions:

Pre Award

- Creation and routing of proposals, including proposal budgets and submission to Grants.gov.

Conflict Of Interest (COI)

- Financial entities submission and maintenance, disclosure preparation and submission.

Institutional Review Board (IRB)

- Committee Creation, Protocol Preparation and Submission, Protocol Review, Committee Meeting Management and Reporting

Accessing

Streamlyne

The Pre Award and new IRB and COI Streamlyne modules can be quickly accessed via

Streamlyne

at

<https://research.njit.streamlyne.org/>

Username:

UCID

Password:

The same password to log into NJIT Pipeline

Streamlyne Training Materials

Streamlyne User Manuals (PDF)

Streamlyne New User Manual - Common Elements

: This manual provides a reference to all the common elements of Streamlyne Research. This user manual is a good document.

Streamlyne New User Manual - PD and PD Budget

: This is a user manual on the proposal and budget development in Streamlyne. The content herein explains the use and functions.

Streamlyne for IRB User Manual

: This manual provides specific Streamlyne information for researchers requiring IRB review.

Streamlyne for COI User Manual

: This manual provides guidance on how to use Streamlyne for disclosures and screenings.

Pre-Recorded Training Videos

Streamlyne How-To Training Videos

Streamlyne software questions should be directed to the college/school representative:

John McCarthy

, NCE Director of Research

(973) 596-3247;

[john.p.mccarthy@njit.edu](mailto:john.p.mccarthy@njit.edu)

Cristo Leon

, CSLA Director of Research

(973) 596-6426;

[cristo.e.yanezleon@njit.edu](mailto:cristo.e.yanezleon@njit.edu)

Esther Hom

, YWCC Associate Director of Research

(973) 596-2976;

[hom@njit.edu](mailto:hom@njit.edu)

Iris Pantoja

, CoAD and MTSOM Project Manager

973-596-4483;

[irp3@njit.edu](mailto:irp3@njit.edu)

---

---

[Tuition & Costs | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT

Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...

[Apply now](#)

[Home](#)

[Admissions](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Tuition & Costs](#)

For each academic year, the standard cost of attendance as defined by the Student Financial Aid Services (SFAS) Office depends on the student's living situation.

[Tuition & Aid](#)

[In This Section](#)

[Undergraduate Admissions](#)

[Graduate Admissions](#)

[International Students](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Blog](#)

[Undergraduate Cost of Attendance\\* for 2024 - 2025 \(two semesters at full-time\\*\\*\)](#)

[New Jersey Residents](#)

[Non-New Jersey Residents](#)

[Tuition](#)

\$16,334

\$34,024

[Fees](#)

\$3,640

\$3,640

[Total Tuition and Fees](#)

\$19,974

\$37,664

\*\* Full-time = 12-19 credits

For New Jersey resident and Non-New Jersey resident students

living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$5,200.

For New Jersey resident and Non-New Jersey resident students

living with parents

, the value for

Housing & Food is \$9,800

and

Additional Indirect Cost is \$6,900

.

For New Jersey resident and Non-New Jersey resident students

living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$6,900

.

The value for

Books & Supplies is \$3,400

(first-year and transfer non-architecture students) and

\$4,800

(first-year and transfer architecture students).

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; Transportation; Personal Expenses; and Miscellaneous Fees.

Graduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

New Jersey Residents

Non-New Jersey Residents

Tuition

\$23,076

\$33,138

Fees

\$4,734

\$4,734

Total Per Year

\$27,810

\$37,872

\*\* Full-time = 9 credits

For New Jersey resident and Non-New Jersey resident students

living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$6,400.

For New Jersey resident and Non-New Jersey resident students

living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$9,400

.

The value for

Books & Supplies is \$1,600 for non-architecture students

and

\$2,000 for architecture students.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Online

Graduate e-Tuition (100% online)

Cost per credit -

\$1,143

Undergraduate e-Tuition (100% online)

Cost per credit -

\$537

International Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

Undergraduate

Graduate

Tuition and Fees

\$37,664

\$38,436

Living Expenses

\$16,450

\$16,450

Other Expenses (health insurance, etc.)

\$10,787

\$10,187

Total Estimated Cost

†

\$64,901

\$65,073

\*\* Full-time for undergraduate students = 12-19 credits

\*\* Full-time for graduate students = 9 credits

† All expenses are estimated. Expenses are indirect costs and may vary.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Fill out an online

application today!  
Apply Online  
Download a brochure and learn about NJIT  
Download  
Schedule a visit to campus  
Schedule a Visit

---

Page: <https://www.njit.edu/launch-your-career-graduate-certificate-0>

Launch Your Career with a Graduate Certificate | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News



Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT

[Athletics](#)

[I am a...](#)

[Apply now](#)

[Boost your career credentials and earning potential in one of NJIT's more than 35 graduate certificate programs.](#)

[Subjects span a wide-range of disciplines, from Big Data Essentials to Construction Management and IT Administration, so you](#)

[How to Apply](#)

[Graduate Admissions](#)

[Top 2%](#)

[for return on investment](#)

[Source: PayScale.com](#)

[\\$167M](#)

[total research expenditures in FY2023](#)

[Boost your earning potential in one of NJIT's more than 30 graduate certificate programs.](#)

[Learn More](#)

[Fill out an online](#)

[application today!](#)

[Apply Online](#)

[Download a brochure and learn about NJIT](#)

[Download](#)

[Schedule a visit to campus](#)

[Schedule a Visit](#)

---

Page: [https://www.njit.edu/admissions/tuition-costs/#collapse5\\_9c168948f0e89df882e82857ee017180](https://www.njit.edu/admissions/tuition-costs/#collapse5_9c168948f0e89df882e82857ee017180)

[Tuition & Costs | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts

Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving

MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Search  
Admissions  
Academics  
Research  
About  
Life at NJIT

Athletics  
I am a...  
Apply now  
Home  
Admissions  
Tuition & Aid  
Tuition & Costs  
Tuition & Costs

For each academic year, the standard cost of attendance as defined by the Student Financial Aid Services (SFAS) Office depends on your residency status.

Tuition & Aid  
In This Section  
Undergraduate Admissions  
Graduate Admissions  
International Students  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions

Blog  
Undergraduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

New Jersey Residents  
Non-New Jersey Residents

Tuition  
\$16,334  
\$34,024  
Fees  
\$3,640  
\$3,640  
Total Tuition and Fees  
\$19,974  
\$37,664

\*\* Full-time = 12-19 credits

For New Jersey resident and Non-New Jersey resident students  
living on campus  
, the value for  
Housing & Food is \$16,450  
and

Additional Indirect Cost is \$5,200.

For New Jersey resident and Non-New Jersey resident students  
living with parents  
, the value for

Housing & Food is \$9,800

and

Additional Indirect Cost is \$6,900

.

For New Jersey resident and Non-New Jersey resident students living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$6,900

.

The value for

Books & Supplies is \$3,400

(first-year and transfer non-architecture students) and

\$4,800

(first-year and transfer architecture students).

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Graduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

New Jersey Residents

Non-New Jersey Residents

Tuition

\$23,076

\$33,138

Fees

\$4,734

\$4,734

Total Per Year

\$27,810

\$37,872

\*\* Full-time = 9 credits

For New Jersey resident and Non-New Jersey resident students living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$6,400.

For New Jersey resident and Non-New Jersey resident students living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$9,400

.

The value for

Books & Supplies is \$1,600 for non-architecture students

and

\$2,000 for architecture students.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Online

Graduate e-Tuition (100% online)

Cost per credit -

\$1,143

Undergraduate e-Tuition (100% online)

Cost per credit -

\$537

International Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

Undergraduate

Graduate

Tuition and Fees

\$37,664  
\$38,436  
Living Expenses  
\$16,450  
\$16,450  
Other Expenses (health insurance, etc.)  
\$10,787  
\$10,187

Total Estimated Cost

†

\$64,901

\$65,073

\*\* Full-time for undergraduate students = 12-19 credits

\*\* Full-time for graduate students = 9 credits

† All expenses are estimated. Expenses are indirect costs and may vary.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <https://www.njit.edu/inclusive/meet-staff>

[About Us | Diversity and Inclusion](#)

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT



Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni

[Giving](#)  
[MyNJIT Login](#)  
[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Canvas](#)  
[WebEx](#)  
[Jobs @ NJIT](#)  
[Search](#)  
[Admissions](#)  
[Academics](#)  
[Research](#)  
[About](#)  
[Life at NJIT](#)  
[Athletics](#)  
[I am a...](#)  
[Apply now](#)  
[Home](#)  
[Contact & Engagement](#)  
[About Us](#)  
[About Us](#)  
[About the Office of Inclusive Excellence.](#)  
[Meet Our Staff.](#)  
[Contact & Engagement](#)  
[In This Section](#)  
[Home](#)  
[Signature Programs](#)  
[Contact & Engagement](#)  
[About Us](#)  
[Identity-based Campus Clubs and Organizations](#)  
[University Non-discrimination Policy](#)  
[News](#)  
[Inclusive Excellence Resources](#)  
[Request a Workshop](#)  
[The Office of Inclusive Excellence at NJIT](#)  
will intentionally think about and consider Inclusion, Sense of belonging, Culture of belonging and student success, and work to  
[The Office of Inclusive Excellence at NJIT](#)  
will integrate Inclusion, sense of belonging, culture of belonging and educational quality efforts into the institutions mission and i  
[The Office of Inclusive Excellence at NJIT](#)  
will take an active role and responsibility in ensuring inclusive campus culture.  
[The Office of Inclusive Excellence at NJIT](#)  
will partner with others across the institution to fully integrate Inclusion, Sense of belonging, Culture of belonging at the institution  
[The Office of Inclusive Excellence at NJIT](#)  
will address Inclusion, Sense of belonging, Culture of belonging across programs, curriculum, process, and procedure; grounded  
[The Office of Inclusive Excellence at NJIT](#)  
will:  
prioritize changing and redesigning systems,  
foster collaborations and partnerships,  
understand the value add for Inclusion, Sense of belonging, Culture of belonging and how excellence across all areas of the uni  
recognize how the inclusion of individual and group cultural and social differences enhances the university.  
[Meet the Staff](#)  
[Jones, David](#)  
[Chief Diversity Officer](#)  
[View Profile](#)  
[Walker, Rachel](#)  
[Director, Office of Inclusive Excellence](#)  
[View Profile](#)

Rathore, Aaliyah  
Associate Director for Office of Inclusive Excellence  
[View Profile](#)  
Guedes, Kody  
Program and Education Coordinator  
[View Profile](#)  
Dock, Robin  
Administrative Assistant II  
[View Profile](#)

---

Page: <http://www.njit.edu/academics/degrees#/>

[Major & Degree Finder | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus

Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics

Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Major & Degree Finder

NJIT offers 122 degree programs through six professional schools and colleges. Find the perfect major or degree for you below

---

Page: <http://www.njit.edu/continuing>

---

Page: [https://www.njit.edu/admissions/tuition-costs/#collapse24\\_9c168948f0e89df882e82857ee017180](https://www.njit.edu/admissions/tuition-costs/#collapse24_9c168948f0e89df882e82857ee017180)

Tuition & Costs | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters

Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas



WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...

Apply now  
Home  
Admissions  
Tuition & Aid  
Tuition & Costs  
Tuition & Costs

For each academic year, the standard cost of attendance as defined by the Student Financial Aid Services (SFAS) Office depends on whether you are a New Jersey resident or a non-New Jersey resident.

Tuition & Aid  
In This Section  
Undergraduate Admissions  
Graduate Admissions  
International Students  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions

Blog  
Undergraduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)  
New Jersey Residents  
Non-New Jersey Residents

Tuition  
\$16,334  
\$34,024  
Fees  
\$3,640  
\$3,640  
Total Tuition and Fees  
\$19,974  
\$37,664

\*\* Full-time = 12-19 credits

For New Jersey resident and Non-New Jersey resident students  
living on campus  
, the value for  
Housing & Food is \$16,450  
and

Additional Indirect Cost is \$5,200.  
For New Jersey resident and Non-New Jersey resident students  
living with parents  
, the value for  
Housing & Food is \$9,800  
and  
Additional Indirect Cost is \$6,900

.  
For New Jersey resident and Non-New Jersey resident students  
living off campus  
, the value for

Housing & Food is \$17,936  
and  
Additional Indirect Cost is \$6,900

.  
The value for  
Books & Supplies is \$3,400  
(first-year and transfer non-architecture students) and  
\$4,800  
(first-year and transfer architecture students).

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T  
Graduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

New Jersey Residents  
Non-New Jersey Residents

Tuition  
\$23,076  
\$33,138  
Fees  
\$4,734  
\$4,734  
Total Per Year

\$27,810  
\$37,872  
\*\* Full-time = 9 credits

For New Jersey resident and Non-New Jersey resident students  
living on campus

, the value for  
Housing & Food is \$16,450  
and

Additional Indirect Cost is \$6,400.  
For New Jersey resident and Non-New Jersey resident students  
living off campus

, the value for  
Housing & Food is \$17,936  
and  
Additional Indirect Cost is \$9,400

.  
The value for  
Books & Supplies is \$1,600 for non-architecture students  
and  
\$2,000 for architecture students.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T  
Online

Graduate e-Tuition (100% online)  
Cost per credit -  
\$1,143  
Undergraduate e-Tuition (100% online)  
Cost per credit -  
\$537

International Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)  
Undergraduate

Graduate  
Tuition and Fees  
\$37,664  
\$38,436  
Living Expenses  
\$16,450  
\$16,450  
Other Expenses (health insurance, etc.)  
\$10,787

\$10,187

Total Estimated Cost

†

\$64,901

\$65,073

\*\* Full-time for undergraduate students = 12-19 credits

\*\* Full-time for graduate students = 9 credits

† All expenses are estimated. Expenses are indirect costs and may vary.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <https://www.njit.edu/careerservices/community-service>

Community Service | Career Development Services

[Skip to main content](#)

[Menu](#)

[Career Development Services](#)

[Search](#)

[In This Section](#)

[Home](#)

[About](#)

[CDS Advisory Board](#)

[Career Outcomes Dashboard](#)

[CDS Metrics](#)

[2024 Post-Graduation Outcomes Report](#)

[Top Employers and Graduate/Professional Schools](#)

[Starting Salary Data](#)

[Contact Us](#)

[Get Prepared](#)

[Resumes and Cover Letters](#)

[Find Your Career Advisor](#)

[Events and Workshops](#)

[Interview Prep](#)

[Career Planning](#)

[Alumni Career Spotlights](#)

[Career Assessments](#)

[Career Closet](#)

[Find Opportunities](#)

[Handshake](#)

[Co-op & Internship](#)

[Micro-Internships](#)

[Career Fairs](#)

[On-Campus Interviewing](#)

[Additional Job Search Resources](#)

[Graduate & Professional School](#)

[Report Employment](#)

[Community Service](#)

[NJIT Votes!](#)

[Volunteer Opportunities](#)

[Community Service Work-Study Programs](#)

[Service Learning Program](#)

Alternative Spring Break  
First Year Service Day  
Garrison-Kirk Community Service Scholarship  
Non-Profit Agencies  
For Employers  
Career Fairs  
Agenda/Display Information  
Directions and Parking  
Co-ops/Internships  
On-Campus Interviewing (OCI)  
Branding Opportunities  
Sponsor Packages  
Become an ELEVATE Partner  
Hiring International Students  
Top NJIT Recruitment Partners  
NJIT Alumni Campus Champions  
Starting Salaries  
Report Hiring Outcomes  
CDS News

Home

Community Service

Community Service

Everybody can be great because anybody can serve.

-Martin Luther King Jr.

Community Service

In This Section

Home

About

Get Prepared

Find Opportunities

Community Service

NJIT Votes!

Volunteer Opportunities

Community Service Work-Study Programs

Service Learning Program

Alternative Spring Break

First Year Service Day

Garrison-Kirk Community Service Scholarship

Non-Profit Agencies

For Employers

CDS News

Congratulations to our 2024 Community Service Scholar \$250 Winner Keya Dhruve!

At NJIT, we are committed to fostering opportunities for students to share their skills, talents, and enthusiasm through service for our students, faculty, and staff directly to community service activities with non-profit organizations located in and around Newark and throughout the state of New Jersey.

Have Federal Work Study?

Contact

amin@njit.edu

u for

Community Service Jobs

Garrison/Kirk Community Service Scholarship

Applications are now being accepted! Apply now for your student organization or yourself. (2) \$750 Awards!!!

Click Here For More Info

Callout Link

Be our 2025 Winner! Tell Us About Your Community Service

We want to spotlight your service. Most notable submission will receive \$250. First 50 Submissions Will Get a \$10 Book Store Credit

Click Here To Submit Your Entry

Callout Link

Related Links:

---

Page: [https://www.njit.edu/admissions/tuition-costs/#collapse25\\_9c168948f0e89df882e82857ee017180](https://www.njit.edu/admissions/tuition-costs/#collapse25_9c168948f0e89df882e82857ee017180)

[Tuition & Costs | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

[Proposal Preparation Forms and Guide](#)

Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence

Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home  
Admissions

Tuition & Aid

Tuition & Costs

Tuition & Costs

For each academic year, the standard cost of attendance as defined by the Student Financial Aid Services (SFAS) Office depends on the student's living situation.

Tuition & Aid

In This Section

Undergraduate Admissions

Graduate Admissions

International Students

Tuition & Aid

Tuition & Costs

Financial Aid

Visiting/Non-Matriculated Students

Dates and Deadlines

Apply Now

Contact Admissions

Blog

Undergraduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

New Jersey Residents

Non-New Jersey Residents

Tuition

\$16,334

\$34,024

Fees

\$3,640

\$3,640

Total Tuition and Fees

\$19,974

\$37,664

\*\* Full-time = 12-19 credits

For New Jersey resident and Non-New Jersey resident students

living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$5,200.

For New Jersey resident and Non-New Jersey resident students

living with parents

, the value for

Housing & Food is \$9,800

and

Additional Indirect Cost is \$6,900

.

For New Jersey resident and Non-New Jersey resident students

living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$6,900

.

The value for

Books & Supplies is \$3,400

(first-year and transfer non-architecture students) and

\$4,800

(first-year and transfer architecture students).

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; Transportation; Personal Expenses; Health Insurance; and Miscellaneous.

Graduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

New Jersey Residents

Non-New Jersey Residents



Tuition

\$23,076

\$33,138

Fees

\$4,734

\$4,734

Total Per Year

\$27,810

\$37,872

\*\* Full-time = 9 credits

For New Jersey resident and Non-New Jersey resident students  
living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$6,400.

For New Jersey resident and Non-New Jersey resident students  
living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$9,400

.

The value for

Books & Supplies is \$1,600 for non-architecture students

and

\$2,000 for architecture students.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Online

Graduate e-Tuition (100% online)

Cost per credit -

\$1,143

Undergraduate e-Tuition (100% online)

Cost per credit -

\$537

International Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

Undergraduate

Graduate

Tuition and Fees

\$37,664

\$38,436

Living Expenses

\$16,450

\$16,450

Other Expenses (health insurance, etc.)

\$10,787

\$10,187

Total Estimated Cost

†

\$64,901

\$65,073

\*\* Full-time for undergraduate students = 12-19 credits

\*\* Full-time for graduate students = 9 credits

† All expenses are estimated. Expenses are indirect costs and may vary.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

[Download](#)  
[Schedule a visit to campus](#)  
[Schedule a Visit](#)

---

Page: <https://www.njit.edu/precollege/educational-talent-search>

[Educational Talent Search | Center for Pre-College Programs](#)

[Skip to main content](#)

[Menu](#)

[Center for Pre-College Programs](#)

[Search](#)

[In This Section](#)

[Home](#)

[About Us](#)

[Our Staff](#)

[Pre-College Advisory Board](#)

[Sponsors and Partners](#)

[Publications](#)

[Contact Us](#)

[Student Programs](#)

[NJ GEAR UP/College-Bound Programs](#)

[NJ GEAR UP/College-Bound Program](#)

[Upward Bound](#)

[TRiO Programs](#)

[Educational Talent Search](#)

[Upward Bound](#)

[Summer Early College Preparatory Programs \(ECP\) & STEMx](#)

[Saturday Morning STEM \(SMS\)](#)

[Academy College Credit Courses for High School Students](#)

[Dual Enrollment Partnership / Options Program](#)

[FSI -Forensic Science Initiative](#)

[Educator Programs](#)

[STEM Forum for School Leaders](#)

[Outcomes Assessment and Evaluation](#)

[Research Experiences for Teachers Archive](#)

[NJ Forensic Science Education Conference](#)

[Teacher Prep Program in Forensic Science](#)

[Virtual Learning](#)

[Family Programs](#)

[STEM Family Workshops](#)

[Family Open Houses](#)

[Virtual Learning](#)

[Competitions](#)

[Elementary STEM Challenge](#)

[New Jersey Science Olympiad](#)

[News & Events](#)

[Events](#)

[News](#)

[Home](#)

[Student Programs](#)

[TRiO Programs](#)

[Educational Talent Search](#)

[Educational Talent Search](#)

The Center for Pre-College Programs is a proud partner of the federally funded Educational Talent Search, which encourages y

[TRiO Programs](#)

[In This Section](#)

[Home](#)

About Us  
Student Programs  
NJ GEAR UP/College-Bound Programs  
TRiO Programs  
Educational Talent Search  
Upward Bound  
Summer Early College Preparatory Programs (ECP) & STEMx  
Saturday Morning STEM (SMS)  
Academy College Credit Courses for High School Students  
Dual Enrollment Partnership / Options Program  
FSI -Forensic Science Initiative  
Educator Programs  
Family Programs  
Competitions  
News & Events

We provide students with the skills and motivation needed to achieve academic success, graduate from middle and high school  
Middle school students work to prepare for high school and high school students work to prepare for college or a career of their  
Eligibility

Our program services are offered to middle school students between the 6th and 8th grades, and high school students between  
How can Talent Search help you?

Fall and Spring PARCC and SAT Exam Preparation Course

PARCC and SAT exam preparation is offered during the fall and spring semesters, with an emphasis on test-taking skills.

4- or 6-Week Summer Enrichment Program

A nonresidential program structured around basic math and English skills and preparation for the PARCC and SAT exams is off

Tutorial Service

Talent Search offers a tutoring program that has an emphasis on math, English, and science. It runs throughout the school year

Counseling Service

A Talent Search counselor is available for academic, personal, and career counseling year-round.

Financial Aid Service

Counselors are available to provide students with information about obtaining financial aid and assist with filling out the FAFSA

College Tours and Cultural Trips

Outings are offered to expose students to various institutions of higher education and enrich students' minds.

If you have any further questions or concerns about Talent Search, please feel free to stop by our office or call 973-596-8480.

How to Apply

You can enroll in Talent Search by downloading the application, obtaining an application packet through your school guidance c

Talent Search Application

Initial Contact Form

Income Verification Form

Transcript Release Form and your latest report card

Send all completed application materials to:

Talent Search

New Jersey Institute of Technology

Center for Pre-College Programs

110 Summit Street, Campbell Hall, 4th floor

Newark, NJ 07102

---

Page: <https://www.njit.edu/careerservices/get-prepared>

Get Prepared | Career Development Services

[Skip to main content](#)

[Menu](#)

[Career Development Services](#)

[Search](#)

[In This Section](#)

[Home](#)

[About](#)

[CDS Advisory Board](#)

Career Outcomes Dashboard  
CDS Metrics  
2024 Post-Graduation Outcomes Report  
Top Employers and Graduate/Professional Schools  
Starting Salary Data  
Contact Us  
Get Prepared  
Resumes and Cover Letters  
Find Your Career Advisor  
Events and Workshops  
Interview Prep  
Career Planning  
Alumni Career Spotlights  
Career Assessments  
Career Closet  
Find Opportunities  
Handshake  
Co-op & Internship  
Micro-Internships  
Career Fairs  
On-Campus Interviewing  
Additional Job Search Resources  
Graduate & Professional School  
Report Employment  
Community Service  
NJIT Votes!  
Volunteer Opportunities  
Community Service Work-Study Programs  
Service Learning Program  
Alternative Spring Break  
First Year Service Day  
Garrison-Kirk Community Service Scholarship  
Non-Profit Agencies  
For Employers  
Career Fairs  
Agenda/Display Information  
Directions and Parking  
Co-ops/Internships  
On-Campus Interviewing (OCI)  
Branding Opportunities  
Sponsor Packages  
Become an ELEVATE Partner  
Hiring International Students  
Top NJIT Recruitment Partners  
NJIT Alumni Campus Champions  
Starting Salaries  
Report Hiring Outcomes  
CDS News  
Home  
Get Prepared  
Get Prepared  
Students engaged with CDS programs will be among the best-prepared and most competitive graduates entering the workforce  
Get Prepared  
In This Section  
Home  
About  
Get Prepared  
Resumes and Cover Letters  
Find Your Career Advisor

Events and Workshops

Interview Prep

Career Planning

Career Closet

Find Opportunities

Community Service

For Employers

CDS News

CDS provides career advising and resources to assist students and alumni with all phases of their career. We help prepare stu

Self-Assessment

Strong Interest Inventory Self-Assessment

The Strong Interest Inventory® assessment helps to guide students and alumni in their search for a rich and fulfilling career. T

TypeFocus Careers Program

An online career development program available to NJIT students and alumni that will assess your personality and help you cho

Who am I . . . really?

Where am I going?

How will I get there?

Begin using the

TypeFocus Careers Program

!. Once you complete the assessment, schedule an appointment with your

career advisor

to discuss your results.

Additional Tools for Career Preparation

NJIT Job Search Guide

View Majors with Professions and Salary Information



Handshake: Job listings/Job Postings

---

Page: <https://www.njit.edu/research/researchtechnology-inquiry/>

---

Page: [https://www.njit.edu/careerservices/sites/njit.edu.careerservices/files/2024\\_starting\\_salary.pdf](https://www.njit.edu/careerservices/sites/njit.edu.careerservices/files/2024_starting_salary.pdf)

%PDF-1.4

%

1 0 obj

<<

/Type /Catalog

/Version /1.4

/Pages 2 0 R

/StructTreeRoot 3 0 R

/MarkInfo 4 0 R

/Lang (en)

/ViewerPreferences 5 0 R

>>

endobj

6 0 obj

<<

/Title (Class of 2024 Outcomes Report)

/Creator (Canva)

/Producer (Canva)

/CreationDate (D:20250407135053+00'00')

/ModDate (D:20250407135053+00'00')

/Keywords (DAGU4CRJc0A,BABzxFVReEo,0)

```
/Author (NJIT CDS)
>>
endobj
2 0 obj
<<
/Type /Pages
/Kids [7 0 R]
/Count 1
>>
endobj
3 0 obj
<<
/Type /StructTreeRoot
/K [8 0 R]
/ParentTree 9 0 R
/ParentTreeNextKey 407
>>
endobj
4 0 obj
<<
/Marked true
/Suspects false
>>
endobj
5 0 obj
<<
/Type /ViewerPreferences
/DisplayDocTitle true
>>
endobj
7 0 obj
<<
/Type /Page
/Resources <<
/ProcSet [/PDF /Text /ImageB /ImageC /ImageI]
/ExtGState 10 0 R
/Pattern 11 0 R
/XObject <<
/X4 12 0 R
/X9 13 0 R
/X15 14 0 R
>>
/Font 15 0 R
>>
/MediaBox [0.0 7.9200063 612.0 799.92]
/Contents 16 0 R
/StructParents 0
/Parent 2 0 R
/Tabs /S
/BleedBox [0.0 7.9200063 612.0 799.92]
/TrimBox [0.0 7.9200063 612.0 799.92]
/CropBox [0.0 7.9200063 612.0 799.92]
/Rotate 0
/Annots []
>>
endobj
8 0 obj
<<
/Type /StructElem
```

```
/S /Document
/P 3 0 R
/K [17 0 R]
>>
endobj
9 0 obj
<<
/Limits [0 0]
/Nums [0 [18 0 R 19 0 R 20 0 R 21 0 R 22 0 R 23 0 R 24 0 R 25 0 R 26 0 R 27 0 R
28 0 R 29 0 R 30 0 R 31 0 R 32 0 R 33 0 R 34 0 R 35 0 R 36 0 R 37 0 R
38 0 R 39 0 R 40 0 R 41 0 R 42 0 R 43 0 R 44 0 R 45 0 R 46 0 R 47 0 R
48 0 R 49 0 R 50 0 R 51 0 R 52 0 R 53 0 R 54 0 R 55 0 R 56 0 R 57 0 R
58 0 R 59 0 R 60 0 R 61 0 R 62 0 R 63 0 R 64 0 R 65 0 R 66 0 R 67 0 R
68 0 R 69 0 R 70 0 R 71 0 R 72 0 R 73 0 R 74 0 R 75 0 R 76 0 R 77 0 R
78 0 R 79 0 R 80 0 R 81 0 R 82 0 R 83 0 R 84 0 R 85 0 R 86 0 R 87 0 R
88 0 R 89 0 R 90 0 R 91 0 R 92 0 R 93 0 R 94 0 R 95 0 R 96 0 R 97 0 R
98 0 R 99 0 R 100 0 R 101 0 R 102 0 R 103 0 R 104 0 R 105 0 R 106 0 R 107 0 R
108 0 R 109 0 R 110 0 R 111 0 R 112 0 R 113 0 R 114 0 R 115 0 R 116 0 R 117 0 R
118 0 R 119 0 R 120 0 R 121 0 R 122 0 R 123 0 R 124 0 R 125 0 R 126 0 R 127 0 R
128 0 R 129 0 R 130 0 R 131 0 R 132 0 R 133 0 R 134 0 R 135 0 R 136 0 R 137 0 R
138 0 R 139 0 R 140 0 R 141 0 R 142 0 R 143 0 R 144 0 R 145 0 R 146 0 R 147 0 R
148 0 R 149 0 R 150 0 R 151 0 R 152 0 R 153 0 R 154 0 R 155 0 R 156 0 R 157 0 R
158 0 R 159 0 R 160 0 R 161 0 R 162 0 R 163 0 R 164 0 R 165 0 R 166 0 R 167 0 R
168 0 R 169 0 R 170 0 R 171 0 R 172 0 R 173 0 R 174 0 R 175 0 R 176 0 R 177 0 R
178 0 R 179 0 R 180 0 R 181 0 R 182 0 R 183 0 R 184 0 R 185 0 R 186 0 R 187 0 R
188 0 R 189 0 R 190 0 R 191 0 R 192 0 R 193 0 R 194 0 R 195 0 R 196 0 R 197 0 R
198 0 R 199 0 R 200 0 R 201 0 R 202 0 R 203 0 R 204 0 R 205 0 R 206 0 R 207 0 R
208 0 R 209 0 R 210 0 R 211 0 R 212 0 R 213 0 R 214 0 R 215 0 R 216 0 R 217 0 R
218 0 R 219 0 R 220 0 R 221 0 R 222 0 R 223 0 R 224 0 R 225 0 R 226 0 R 227 0 R
228 0 R 229 0 R 230 0 R 231 0 R 232 0 R 233 0 R 234 0 R 235 0 R 236 0 R 237 0 R
18 0 R 19 0 R 238 0 R 239 0 R 240 0 R 241 0 R 242 0 R 243 0 R 244 0 R 245 0 R
246 0 R 247 0 R 248 0 R 249 0 R 250 0 R 251 0 R 252 0 R 253 0 R 254 0 R 255 0 R
256 0 R 257 0 R 258 0 R 259 0 R 260 0 R 261 0 R 262 0 R 263 0 R 264 0 R 265 0 R
266 0 R 267 0 R 268 0 R 269 0 R 270 0 R 271 0 R 272 0 R 273 0 R 274 0 R 275 0 R
276 0 R 277 0 R 61 0 R 62 0 R 278 0 R 279 0 R 280 0 R 281 0 R 282 0 R 283 0 R
284 0 R 285 0 R 286 0 R 287 0 R 288 0 R 289 0 R 290 0 R 291 0 R 292 0 R 293 0 R
294 0 R 295 0 R 296 0 R 297 0 R 298 0 R 299 0 R 300 0 R 301 0 R 302 0 R 303 0 R
304 0 R 305 0 R 306 0 R 307 0 R 308 0 R 309 0 R 310 0 R 311 0 R 312 0 R 313 0 R
314 0 R 315 0 R 316 0 R 317 0 R 318 0 R 319 0 R 320 0 R 321 0 R 322 0 R 323 0 R
324 0 R 325 0 R 326 0 R 327 0 R 328 0 R 329 0 R 330 0 R 331 0 R 332 0 R 333 0 R
334 0 R 335 0 R 336 0 R 337 0 R 338 0 R 339 0 R 340 0 R 341 0 R 342 0 R 343 0 R
344 0 R 345 0 R 346 0 R 347 0 R 348 0 R 349 0 R 350 0 R 351 0 R 352 0 R 353 0 R
354 0 R 355 0 R 356 0 R 357 0 R 358 0 R 359 0 R 360 0 R 361 0 R 362 0 R 363 0 R
364 0 R 365 0 R 366 0 R 367 0 R 368 0 R 369 0 R 370 0 R 371 0 R 372 0 R 373 0 R
374 0 R 375 0 R 376 0 R 377 0 R 378 0 R 379 0 R 380 0 R 381 0 R 382 0 R 383 0 R
384 0 R 385 0 R 386 0 R 387 0 R 388 0 R 389 0 R 390 0 R 391 0 R 392 0 R 393 0 R
394 0 R 395 0 R 396 0 R 397 0 R 398 0 R 399 0 R 400 0 R 401 0 R 402 0 R 403 0 R
404 0 R 405 0 R 406 0 R 407 0 R 408 0 R 409 0 R 410 0 R 411 0 R 412 0 R 413 0 R
414 0 R 415 0 R 416 0 R 417 0 R 418 0 R 419 0 R 420 0 R 421 0 R 422 0 R 423 0 R
424 0 R 233 0 R 235 0 R]
]
>>
endobj
10 0 obj
<<
/G3 425 0 R
/G8 426 0 R
/G14 427 0 R
/gs4 428 0 R
```







hwwmm8aL{Ei|nJtt+eK04o  
|YKDD|dd,H0E}U`%p|WPH<b  
5ZDTYyiL,"Z"%UnnNhhOC|i2[m\_gU?i\*DD0iizl=  
^T'jvTWdcdc<6Y\$RK+@\G%~Rw.z[^^o  
oH/yx\$xx"NUT.j+L:β#3nnf[lB  
y%9wF"J.øh`n`&[?'?T[h4MM{RwMSD\_H;C  
JJrWaaMh}0c:}0.iq%  
2cK{[^^S"#{+H|o#u6D~83Q{2^sY`7|A]&-:eV@WZ\$  
/(6dBRC\$)w:|=;Z40!a0[x\EKr|=>nfVYW%|dξE"f+;  
DU`f{8||+~W|w`ttv  
/ISd|"5SP#}SOf3(#YkwnnTO2Ji8BFN3R }Z`T9MR7  
8;SQ||9d-mzB6Bq=Y/XK'SP/D6x:F4C8N R]  
#di)U5gkb,s,p~KlZ-q\_lviL[Qu7JWRo-'dG%~(  
HPp-M?@p(U2x\$H~;)(8U}c5P)MjzYT  
F  
j:Ym2:djMddC"mXiT\$;F++w092]OY>Pw?xo{  
fz0T:.)GHHG=-P?\_ÛLk=mITB\*MMM  
^^l)yIWm6\$,^>M#.vr~ktL\*N!\mm  
@F{<\$?c?~!|nn/|}BE|^D`on&EZHi>  
s~uRt4p=A`rJ5{<#`r\_t`a7OMh`k?.,#X#hW8YSR  
> z|"U{+&.XJ"pdHLL^hC~,6|TTIX?D5OZAayvU  
jd\*iLU#tZeEXxV  
LEp"qqEQ4?cdss-Rgb5w1pTx`Bff`ttN  
c65HRm1S)z^Gg5V(v[+kEAQAtm"dpyLx[p{^60r  
HRVQ]M  
a1YtW==<=cmb@PDZ>dW1+c5xmXcXJbp+XJ  
B8NXh:Y23Q/=QAFKF"9BgtX!9GAFS2  
d\$&SJJ~c"j]pG>|lqs%.p1f/Mzxx0<,RAWñJg  
VXzBB9fN  
kbVV\$LLA4@y\;H&9WpjX.P\$0F&K\$V.G\$Yg  
4+8tt8 ODD'\_W0b  
\$7  
5BIs0HX!S|š]%%@]F#K2iZavNNL[N}3UHp/|  
hAA4DHAa0d&5s(2!9Jh)xxEv&6R|k3hg[=+<3a5  
d'\7|t|6E`\$]981McDwmo

>  
endobj  
18 0 obj  
<<  
/Type /StructElem  
/S /Figure  
/P 17 0 R  
/Pg 7 0 R  
/K [214]  
>>  
endobj  
19 0 obj  
<<  
/Type /StructElem  
/S /Figure  
/P 17 0 R  
/Pg 7 0 R  
/K [215]  
>>  
endobj  
20 0 obj  
<<  
/Type /StructElem  
/S /P

```
/E (4)
/Pg 7 0 R
/K [57]
>>
endobj
21 0 obj
<<
/Type /StructElem
/S /H4
/T ($65,750)
/E ($65,750)
/Pg 7 0 R
/K [56]
>>
endobj
22 0 obj
<<
/Type /StructElem
/S /P
/E (3)
/Pg 7 0 R
/K [213]
>>
endobj
23 0 obj
<<
/Type /StructElem
/S /H4
/T ($86,000)
/E ($86,000)
/Pg 7 0 R
/K [212]
>>
endobj
24 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [166]
>>
endobj
25 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [165]
>>
endobj
26 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
```

```
/E (N/A)
/Pg 7 0 R
/K [152]
>>
endobj
27 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [151]
>>
endobj
28 0 obj
<<
/Type /StructElem
/S /P
/E (32)
/Pg 7 0 R
/K [23]
>>
endobj
29 0 obj
<<
/Type /StructElem
/S /P
/E (3)
/Pg 7 0 R
/K [206]
>>
endobj
30 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [162]
>>
endobj
31 0 obj
<<
/Type /StructElem
/S /P
/E (2)
/Pg 7 0 R
/K [183]
>>
endobj
32 0 obj
<<
/Type /StructElem
/S /P
/E (2)
/Pg 7 0 R
/K [142]
```

```
>>
endobj
33 0 obj
<<
/Type /StructElem
/S /P
/E (*)
/Pg 7 0 R
/K [208]
>>
endobj
34 0 obj
<<
/Type /StructElem
/S /H4
/T ($92,375)
/E ($92,375)
/Pg 7 0 R
/K [22]
>>
endobj
35 0 obj
<<
/Type /StructElem
/S /H4
/T ($105,667)
/E ($105,667)
/Pg 7 0 R
/K [27]
>>
endobj
36 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [161]
>>
endobj
37 0 obj
<<
/Type /StructElem
/S /H4
/T ($55,140)
/E ($55,140)
/Pg 7 0 R
/K [182]
>>
endobj
38 0 obj
<<
/Type /StructElem
/S /H4
/T ($73,500)
/E ($73,500)
/Pg 7 0 R
/K [32]
```

```
>>
endobj
39 0 obj
<<
/Type /StructElem
/S /P
/E (*)
/Pg 7 0 R
/K [29]
>>
endobj
40 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [150]
>>
endobj
41 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [149]
>>
endobj
42 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [211]
>>
endobj
43 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [157]
>>
endobj
44 0 obj
<<
/Type /StructElem
/S /P
/E (5)
/Pg 7 0 R
/K [111]
>>
```

```
endobj
45 0 obj
<<
/Type /StructElem
/S /H4
/T ($124,384)
/E ($124,384)
/Pg 7 0 R
/K [63]
>>
endobj
46 0 obj
<<
/Type /StructElem
/S /P
/E (3)
/Pg 7 0 R
/K [15]
>>
endobj
47 0 obj
<<
/Type /StructElem
/S /H4
/T ($73,333)
/E ($73,333)
/Pg 7 0 R
/K [66]
>>
endobj
48 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
/E (Salary)
/Pg 7 0 R
/K [134]
>>
endobj
49 0 obj
<<
/Type /StructElem
/S /P
/E (23)
/Pg 7 0 R
/K [25]
>>
endobj
50 0 obj
<<
/Type /StructElem
/S /P
/E (*)
/Pg 7 0 R
/K [30]
>>
endobj
51 0 obj
```

```
<<
/Type /StructElem
/S /P
/E (3)
/Pg 7 0 R
/K [28]
>>
endobj
52 0 obj
<<
/Type /StructElem
/S /P
/E (13)
/Pg 7 0 R
/K [50]
>>
endobj
53 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [146]
>>
endobj
54 0 obj
<<
/Type /StructElem
/S /P
/E (4)
/Pg 7 0 R
/K [114]
>>
endobj
55 0 obj
<<
/Type /StructElem
/S /H4
/T ($88,854)
/E ($88,854)
/Pg 7 0 R
/K [24]
>>
endobj
56 0 obj
<<
/Type /StructElem
/S /P
/E (*)
/Pg 7 0 R
/K [116]
>>
endobj
57 0 obj
<<
/Type /StructElem
/S /H4
```



/T (\$88,933)  
/E (\$88,933)  
/Pg 7 0 R  
/K [47]  
>>  
endobj  
58 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (\$91,323)  
/E (\$91,323)  
/Pg 7 0 R  
/K [49]  
>>  
endobj  
59 0 obj  
<<  
/Type /StructElem  
/S /H3  
/T (N/A)  
/E (N/A)  
/Pg 7 0 R  
/K [145]  
>>  
endobj  
60 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (\$78,940)  
/E (\$78,940)  
/Pg 7 0 R  
/K [37]  
>>  
endobj  
61 0 obj  
<<  
/Type /StructElem  
/S /Figure  
/P 17 0 R  
/Pg 7 0 R  
/K [256]  
>>  
endobj  
62 0 obj  
<<  
/Type /StructElem  
/S /Figure  
/P 17 0 R  
/Pg 7 0 R  
/K [257]  
>>  
endobj  
63 0 obj  
<<  
/Type /StructElem  
/S /H2  
/T (NJIT SALARY REPORT OF 2024 GRADUATES)

/E (NJIT SALARY REPORT OF 2024 GRADUATES)

/Pg 7 0 R

/K [0]

>>

endobj

64 0 obj

<<

/Type /StructElem

/S /H1

/T (AVERAGE SALARY BY MAJOR)

/E (AVERAGE SALARY BY MAJOR)

/Pg 7 0 R

/K [1]

>>

endobj

65 0 obj

<<

/Type /StructElem

/S /H2

/T (COLLEGE)

/E (COLLEGE)

/Pg 7 0 R

/K [137]

>>

endobj

66 0 obj

<<

/Type /StructElem

/S /H4

/T (Bachelors)

/E (Bachelors)

/Pg 7 0 R

/K [178]

>>

endobj

67 0 obj

<<

/Type /StructElem

/S /H4

/T (Masters)

/E (Masters)

/Pg 7 0 R

/K [136]

>>

endobj

68 0 obj

<<

/Type /StructElem

/S /H2

/T (COLLEGE)

/E (COLLEGE)

/Pg 7 0 R

/K [180]

>>

endobj

69 0 obj

<<

/Type /StructElem

/S /H4

```
/T (Bachelors)
/E (Bachelors)
/Pg 7 0 R
/K [135]
>>
endobj
70 0 obj
<<
/Type /StructElem
/S /H4
/T (Masters)
/E (Masters)
/Pg 7 0 R
/K [179]
>>
endobj
71 0 obj
<<
/Type /StructElem
/S /H4
/T (Newark College of Engineering)
/E (Newark College of Engineering)
/Pg 7 0 R
/K [81]
>>
endobj
72 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [82]
>>
endobj
73 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
/E (Salary)
/Pg 7 0 R
/K [139]
>>
endobj
74 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [128]
>>
endobj
75 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
```

```
/E (Salary)
/Pg 7 0 R
/K [83]
>>
endobj
76 0 obj
<<
/Type /StructElem
/S /H4
/T (Martin Tuchman School of Management )
/E (Martin Tuchman School of Management )
/Pg 7 0 R
/K [54]
>>
endobj
77 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [58]
>>
endobj
78 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
/E (Salary)
/Pg 7 0 R
/K [59]
>>
endobj
79 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [60]
>>
endobj
80 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
/E (Salary)
/Pg 7 0 R
/K [45]
>>
endobj
81 0 obj
<<
/Type /StructElem
/S /P
/E (7)
/Pg 7 0 R
```

```
/K [86]
>>
endobj
82 0 obj
<<
/Type /StructElem
/S /H4
/T ($66,594)
/E ($66,594)
/Pg 7 0 R
/K [85]
>>
endobj
83 0 obj
<<
/Type /StructElem
/S /P
/E (6)
/Pg 7 0 R
/K [121]
>>
endobj
84 0 obj
<<
/Type /StructElem
/S /H4
/T ($68,457)
/E ($68,457)
/Pg 7 0 R
/K [87]
>>
endobj
85 0 obj
<<
/Type /StructElem
/S /H4
/T (Biomedical Engineering)
/E (Biomedical Engineering)
/Pg 7 0 R
/K [84]
>>
endobj
86 0 obj
<<
/Type /StructElem
/S /H4
/T (Business)
/E (Business)
/Pg 7 0 R
/K [55]
>>
endobj
87 0 obj
<<
/Type /StructElem
/S /P
/E (6)
/Pg 7 0 R
/K [88]
```

```
>>
endobj
88 0 obj
<<
/Type /StructElem
/S /H4
/T ($69,693)
/E ($69,693)
/Pg 7 0 R
/K [90]
>>
endobj
89 0 obj
<<
/Type /StructElem
/S /P
/E (2)
/Pg 7 0 R
/K [201]
>>
endobj
90 0 obj
<<
/Type /StructElem
/S /H4
/T ($81,000)
/E ($81,000)
/Pg 7 0 R
/K [92]
>>
endobj
91 0 obj
<<
/Type /StructElem
/S /H4
/T (Financial Technology)
/E (Financial Technology)
/Pg 7 0 R
/K [209]
>>
endobj
92 0 obj
<<
/Type /StructElem
/S /H4
/T (Chemical Engineering)
/E (Chemical Engineering)
/Pg 7 0 R
/K [89]
>>
endobj
93 0 obj
<<
/Type /StructElem
/S /H3
/T (MBA)
/E (MBA)
/Pg 7 0 R
/K [62]
```

```
>>
endobj
94 0 obj
<<
/Type /StructElem
/S /P
/E (18)
/Pg 7 0 R
/K [96]
>>
endobj
95 0 obj
<<
/Type /StructElem
/S /H4
/T ($74,638)
/E ($74,638)
/Pg 7 0 R
/K [95]
>>
endobj
96 0 obj
<<
/Type /StructElem
/S /P
/E (16)
/Pg 7 0 R
/K [98]
>>
endobj
97 0 obj
<<
/Type /StructElem
/S /H4
/T ($79,894)
/E ($79,894)
/Pg 7 0 R
/K [97]
>>
endobj
98 0 obj
<<
/Type /StructElem
/S /H4
/T (Civil Engineering)
/E (Civil Engineering)
/Pg 7 0 R
/K [94]
>>
endobj
99 0 obj
<<
/Type /StructElem
/S /H4
/T (Management)
/E (Management)
/Pg 7 0 R
/K [65]
>>
```

```
endobj
100 0 obj
<<
/Type /StructElem
/S /P
/E (3)
/Pg 7 0 R
/K [193]
>>
endobj
101 0 obj
<<
/Type /StructElem
/S /H4
/T ($97,667)
/E ($97,667)
/Pg 7 0 R
/K [100]
>>
endobj
102 0 obj
<<
/Type /StructElem
/S /P
/E (5)
/Pg 7 0 R
/K [64]
>>
endobj
103 0 obj
<<
/Type /StructElem
/S /H4
/T ($92,000)
/E ($92,000)
/Pg 7 0 R
/K [102]
>>
endobj
104 0 obj
<<
/Type /StructElem
/S /H4
/T (Computer Engineering)
/E (Computer Engineering)
/Pg 7 0 R
/K [99]
>>
endobj
105 0 obj
<<
/Type /StructElem
/S /P
/E (2)
/Pg 7 0 R
/K [188]
>>
endobj
106 0 obj
```



```
<<
/Type /StructElem
/S /H4
/T ($62,400)
/E ($62,400)
/Pg 7 0 R
/K [200]
>>
endobj
107 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [202]
>>
endobj
108 0 obj
<<
/Type /StructElem
/S /H4
/T (Ying Wu College of Computing )
/E (Ying Wu College of Computing )
/Pg 7 0 R
/K [19]
>>
endobj
109 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [42]
>>
endobj
110 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
/E (Salary)
/Pg 7 0 R
/K [43]
>>
endobj
111 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [44]
>>
endobj
112 0 obj
<<
```

```
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [153]
>>
endobj
113 0 obj
<<
/Type /StructElem
/S /H4
/T (Computer Technology)
/E (Computer Technology)
/Pg 7 0 R
/K [199]
>>
endobj
114 0 obj
<<
/Type /StructElem
/S /P
/E (3)
/Pg 7 0 R
/K [48]
>>
endobj
115 0 obj
<<
/Type /StructElem
/S /H4
/T ($68,333)
/E ($68,333)
/Pg 7 0 R
/K [126]
>>
endobj
116 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [191]
>>
endobj
117 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [158]
>>
endobj
118 0 obj
<<
```

```
/Type /StructElem
/S /H4
/T (Construction Engineering Technology)
/E (Construction Engineering Technology)
/Pg 7 0 R
/K [125]
>>
endobj
119 0 obj
<<
/Type /StructElem
/S /H4
/T (Computer Science)
/E (Computer Science)
/Pg 7 0 R
/K [21]
>>
endobj
120 0 obj
<<
/Type /StructElem
/S /P
/E (3)
/Pg 7 0 R
/K [196]
>>
endobj
121 0 obj
<<
/Type /StructElem
/S /H4
/T ($70,000)
/E ($70,000)
/Pg 7 0 R
/K [195]
>>
endobj
122 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [197]
>>
endobj
123 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [143]
>>
endobj
124 0 obj
<<
```

```
/Type /StructElem
/S /H4
/T (Construction Management Technology)
/E (Construction Management Technology)
/Pg 7 0 R
/K [194]
>>
endobj
125 0 obj
<<
/Type /StructElem
/S /H4
/T (Computing and Business)
/E (Computing and Business)
/Pg 7 0 R
/K [26]
>>
endobj
126 0 obj
<<
/Type /StructElem
/S /P
/E (7)
/Pg 7 0 R
/K [5]
>>
endobj
127 0 obj
<<
/Type /StructElem
/S /H4
/T ($77,029)
/E ($77,029)
/Pg 7 0 R
/K [105]
>>
endobj
128 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [155]
>>
endobj
129 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [156]
>>
endobj
130 0 obj
<<
```

```
/Type /StructElem
/S /H4
/T (Electrical & Computer Engineering Tech.)
/E (Electrical & Computer Engineering Tech.)
/Pg 7 0 R
/K [104]
>>
endobj
131 0 obj
<<
/Type /StructElem
/S /H4
/T (Cyber Security & Privacy)
/E (Cyber Security & Privacy)
/Pg 7 0 R
/K [46]
>>
endobj
132 0 obj
<<
/Type /StructElem
/S /P
/E (11)
/Pg 7 0 R
/K [109]
>>
endobj
133 0 obj
<<
/Type /StructElem
/S /H4
/T ($77,877)
/E ($77,877)
/Pg 7 0 R
/K [108]
>>
endobj
134 0 obj
<<
/Type /StructElem
/S /P
/E (5)
/Pg 7 0 R
/K [103]
>>
endobj
135 0 obj
<<
/Type /StructElem
/S /H4
/T ($89,792)
/E ($89,792)
/Pg 7 0 R
/K [110]
>>
endobj
136 0 obj
<<
/Type /StructElem
```

```
/S /H4
/T (Electrical Engineering)
/E (Electrical Engineering)
/Pg 7 0 R
/K [107]
>>
endobj
137 0 obj
<<
/Type /StructElem
/S /H4
/T (Data Science)
/E (Data Science)
/Pg 7 0 R
/K [20]
>>
endobj
138 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [160]
>>
endobj
139 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [159]
>>
endobj
140 0 obj
<<
/Type /StructElem
/S /P
/E (11)
/Pg 7 0 R
/K [132]
>>
endobj
141 0 obj
<<
/Type /StructElem
/S /H4
/T ($88,182)
/E ($88,182)
/Pg 7 0 R
/K [131]
>>
endobj
142 0 obj
<<
/Type /StructElem
```

```
/S /H4
/T (Engineering Management)
/E (Engineering Management)
/Pg 7 0 R
/K [130]
>>
endobj
143 0 obj
<<
/Type /StructElem
/S /H4
/T (Human Computer Interaction)
/E (Human Computer Interaction)
/Pg 7 0 R
/K [31]
>>
endobj
144 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [210]
>>
endobj
145 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [170]
>>
endobj
146 0 obj
<<
/Type /StructElem
/S /H4
/T ($81,604)
/E ($81,604)
/Pg 7 0 R
/K [192]
>>
endobj
147 0 obj
<<
/Type /StructElem
/S /P
/E (3)
/Pg 7 0 R
/K [67]
>>
endobj
148 0 obj
<<
/Type /StructElem
```

```
/S /H4
/T (Environmental Engineering)
/E (Environmental Engineering)
/Pg 7 0 R
/K [189]
>>
endobj
149 0 obj
<<
/Type /StructElem
/S /H4
/T (Information Systems)
/E (Information Systems)
/Pg 7 0 R
/K [34]
>>
endobj
150 0 obj
<<
/Type /StructElem
/S /P
/E (4)
/Pg 7 0 R
/K [38]
>>
endobj
151 0 obj
<<
/Type /StructElem
/S /H4
/T ($72,050)
/E ($72,050)
/Pg 7 0 R
/K [113]
>>
endobj
152 0 obj
<<
/Type /StructElem
/S /P
/E (*)
/Pg 7 0 R
/K [36]
>>
endobj
153 0 obj
<<
/Type /StructElem
/S /P
/E (*)
/Pg 7 0 R
/K [35]
>>
endobj
154 0 obj
<<
/Type /StructElem
/S /P
/E (19)
```



```
/Pg 7 0 R
/K [41]
>>
endobj
155 0 obj
<<
/Type /StructElem
/S /H4
/T ($78,265)
/E ($78,265)
/Pg 7 0 R
/K [40]
>>
endobj
156 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [147]
>>
endobj
157 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [148]
>>
endobj
158 0 obj
<<
/Type /StructElem
/S /H4
/T (Industrial Engineering)
/E (Industrial Engineering)
/Pg 7 0 R
/K [112]
>>
endobj
159 0 obj
<<
/Type /StructElem
/S /H4
/T (Information Technology)
/E (Information Technology)
/Pg 7 0 R
/K [39]
>>
endobj
160 0 obj
<<
/Type /StructElem
/S /H4
/T (Mechanical Engineering)
```

/E (Mechanical Engineering)  
/Pg 7 0 R  
/K [117]  
>>  
endobj  
161 0 obj  
<<  
/Type /StructElem  
/S /P  
/E (26)  
/Pg 7 0 R  
/K [119]  
>>  
endobj  
162 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (\$70,727)  
/E (\$70,727)  
/Pg 7 0 R  
/K [118]  
>>  
endobj  
163 0 obj  
<<  
/Type /StructElem  
/S /P  
/E (6)  
/Pg 7 0 R  
/K [91]  
>>  
endobj  
164 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (\$84,039)  
/E (\$84,039)  
/Pg 7 0 R  
/K [120]  
>>  
endobj  
165 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (Web & Information Systems)  
/E (Web & Information Systems)  
/Pg 7 0 R  
/K [51]  
>>  
endobj  
166 0 obj  
<<  
/Type /StructElem  
/S /P  
/E (3)  
/Pg 7 0 R

```
/K [164]
>>
endobj
167 0 obj
<<
/Type /StructElem
/S /H4
/T ($76,667)
/E ($76,667)
/Pg 7 0 R
/K [163]
>>
endobj
168 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [203]
>>
endobj
169 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [53]
>>
endobj
170 0 obj
<<
/Type /StructElem
/S /H4
/T (Mechanical Engineering Technology)
/E (Mechanical Engineering Technology)
/Pg 7 0 R
/K [122]
>>
endobj
171 0 obj
<<
/Type /StructElem
/S /P
/E (8)
/Pg 7 0 R
/K [124]
>>
endobj
172 0 obj
<<
/Type /StructElem
/S /H4
/T ($66,009)
/E ($66,009)
/Pg 7 0 R
```

```
/K [123]
>>
endobj
173 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [154]
>>
endobj
174 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [198]
>>
endobj
175 0 obj
<<
/Type /StructElem
/S /H4
/T (Pharmaceutical Engineering)
/E (Pharmaceutical Engineering)
/Pg 7 0 R
/K [184]
>>
endobj
176 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [186]
>>
endobj
177 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [167]
>>
endobj
178 0 obj
<<
/Type /StructElem
/S /P
/E (2)
/Pg 7 0 R
```

```
/K [175]
>>
endobj
179 0 obj
<<
/Type /StructElem
/S /H4
/T ($82,500)
/E ($82,500)
/Pg 7 0 R
/K [187]
>>
endobj
180 0 obj
<<
/Type /StructElem
/S /H4
/T (Hillier College of Architecture & Design )
/E (Hillier College of Architecture & Design )
/Pg 7 0 R
/K [8]
>>
endobj
181 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [9]
>>
endobj
182 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
/E (Salary)
/Pg 7 0 R
/K [10]
>>
endobj
183 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [11]
>>
endobj
184 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
/E (Salary)
/Pg 7 0 R
/K [61]
```

```
>>
endobj
185 0 obj
<<
/Type /StructElem
/S /H4
/T (Architecture)
/E (Architecture)
/Pg 7 0 R
/K [3]
>>
endobj
186 0 obj
<<
/Type /StructElem
/S /P
/E (7)
/Pg 7 0 R
/K [106]
>>
endobj
187 0 obj
<<
/Type /StructElem
/S /H4
/T ($68,834)
/E ($68,834)
/Pg 7 0 R
/K [4]
>>
endobj
188 0 obj
<<
/Type /StructElem
/S /P
/E (14)
/Pg 7 0 R
/K [7]
>>
endobj
189 0 obj
<<
/Type /StructElem
/S /H4
/T ($55,819)
/E ($55,819)
/Pg 7 0 R
/K [6]
>>
endobj
190 0 obj
<<
/Type /StructElem
/S /H4
/T (College of Science and Liberal Arts)
/E (College of Science and Liberal Arts)
/Pg 7 0 R
/K [2]
>>
```

```
endobj
191 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [133]
>>
endobj
192 0 obj
<<
/Type /StructElem
/S /P
/E (N)
/Pg 7 0 R
/K [138]
>>
endobj
193 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
/E (Salary)
/Pg 7 0 R
/K [129]
>>
endobj
194 0 obj
<<
/Type /StructElem
/S /H4
/T (Salary)
/E (Salary)
/Pg 7 0 R
/K [12]
>>
endobj
195 0 obj
<<
/Type /StructElem
/S /H4
/T (Biology)
/E (Biology)
/Pg 7 0 R
/K [204]
>>
endobj
196 0 obj
<<
/Type /StructElem
/S /P
/E (3)
/Pg 7 0 R
/K [101]
>>
endobj
197 0 obj
```

```
<<
/Type /StructElem
/S /H4
/T ($43,667)
/E ($43,667)
/Pg 7 0 R
/K [205]
>>
endobj
198 0 obj
<<
/Type /StructElem
/S /P
/E (*)
/Pg 7 0 R
/K [207]
>>
endobj
199 0 obj
<<
/Type /StructElem
/S /P
/E (*)
/Pg 7 0 R
/K [115]
>>
endobj
200 0 obj
<<
/Type /StructElem
/S /H4
/T (Chemistry)
/E (Chemistry)
/Pg 7 0 R
/K [171]
>>
endobj
201 0 obj
<<
/Type /StructElem
/S /P
/E (2)
/Pg 7 0 R
/K [33]
>>
endobj
202 0 obj
<<
/Type /StructElem
/S /H4
/T ($52,000)
/E ($52,000)
/Pg 7 0 R
/K [172]
>>
endobj
203 0 obj
<<
/Type /StructElem
```



/S /P  
/E (2)  
/Pg 7 0 R  
/K [93]  
>>  
endobj  
204 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (\$60,580)  
/E (\$60,580)  
/Pg 7 0 R  
/K [174]  
>>  
endobj  
205 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (Communication and Media)  
/E (Communication and Media)  
/Pg 7 0 R  
/K [13]  
>>  
endobj  
206 0 obj  
<<  
/Type /StructElem  
/S /P  
/E (3)  
/Pg 7 0 R  
/K [127]  
>>  
endobj  
207 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (\$58,000)  
/E (\$58,000)  
/Pg 7 0 R  
/K [14]  
>>  
endobj  
208 0 obj  
<<  
/Type /StructElem  
/S /H3  
/T (N/A)  
/E (N/A)  
/Pg 7 0 R  
/K [185]  
>>  
endobj  
209 0 obj  
<<  
/Type /StructElem  
/S /H3

/T (N/A)  
/E (N/A)  
/Pg 7 0 R  
/K [169]  
>>  
endobj  
210 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (Mathematical Sciences)  
/E (Mathematical Sciences)  
/Pg 7 0 R  
/K [16]  
>>  
endobj  
211 0 obj  
<<  
/Type /StructElem  
/S /P  
/E (2)  
/Pg 7 0 R  
/K [173]  
>>  
endobj  
212 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (\$62,000)  
/E (\$62,000)  
/Pg 7 0 R  
/K [17]  
>>  
endobj  
213 0 obj  
<<  
/Type /StructElem  
/S /H3  
/T (N/A)  
/E (N/A)  
/Pg 7 0 R  
/K [144]  
>>  
endobj  
214 0 obj  
<<  
/Type /StructElem  
/S /H3  
/T (N/A)  
/E (N/A)  
/Pg 7 0 R  
/K [190]  
>>  
endobj  
215 0 obj  
<<  
/Type /StructElem  
/S /H4

```
/T (Pharmaceutical Chemistry)
/E (Pharmaceutical Chemistry)
/Pg 7 0 R
/K [140]
>>
endobj
216 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [168]
>>
endobj
217 0 obj
<<
/Type /StructElem
/S /H3
/T (N/A)
/E (N/A)
/Pg 7 0 R
/K [52]
>>
endobj
218 0 obj
<<
/Type /StructElem
/S /P
/E (2)
/Pg 7 0 R
/K [18]
>>
endobj
219 0 obj
<<
/Type /StructElem
/S /H4
/T ($70,720)
/E ($70,720)
/Pg 7 0 R
/K [141]
>>
endobj
220 0 obj
<<
/Type /StructElem
/S /H1
/T (AVERAGE SALARY BY DEGREE LEVEL)
/E (AVERAGE SALARY BY DEGREE LEVEL)
/Pg 7 0 R
/K [177]
>>
endobj
221 0 obj
<<
/Type /StructElem
/S /H4
```

/T (All Majors )  
/E (All Majors )  
/Pg 7 0 R  
/K [68]  
>>  
endobj  
222 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (Bachelors)  
/E (Bachelors)  
/Pg 7 0 R  
/K [69]  
>>  
endobj  
223 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (188)  
/E (188)  
/Pg 7 0 R  
/K [71]  
>>  
endobj  
224 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (\$74,674)  
/E (\$74,674)  
/Pg 7 0 R  
/K [72]  
>>  
endobj  
225 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (Masters)  
/E (Masters)  
/Pg 7 0 R  
/K [70]  
>>  
endobj  
226 0 obj  
<<  
/Type /StructElem  
/S /H4  
/T (132)  
/E (132)  
/Pg 7 0 R  
/K [73]  
>>  
endobj  
227 0 obj  
<<  
/Type /StructElem

```

/S /H4
/T ($83,494)
/E ($83,494)
/Pg 7 0 R
/K [74]
>>
endobj
228 0 obj
<<
/Type /StructElem
/S /P
/E (N = Sample Size )
/Pg 7 0 R
/K [75]
>>
endobj
229 0 obj
<<
/Type /StructElem
/S /P
/E (* = No Salary Data )
/Pg 7 0 R
/K [77]
>>
endobj
230 0 obj
<<
/Type /StructElem
/S /P
/E (Salary = Average Annual Salary )
/Pg 7 0 R
/K [76]
>>
endobj
231 0 obj
<<
/Type /StructElem
/S /P
/E (N/A = Not Applicable)
/Pg 7 0 R
/K [79]
>>
endobj
232 0 obj
<<
/Type /StructElem
/S /P
/E (Not all students with a job reported a salary )
/Pg 7 0 R
/K [78]
>>
endobj
233 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [405]

```

```
>>
endobj
234 0 obj
<<
/Type /StructElem
/S /H4
/T (*Majors not listed did not receive adequate salary data to report an average. )
/E (*Majors not listed did not receive adequate salary data to report an average. )
/Pg 7 0 R
/K [176]
>>
endobj
235 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [406]
>>
endobj
236 0 obj
<<
/Type /StructElem
/S /P
/E (6)
/Pg 7 0 R
/K [181]
>>
endobj
237 0 obj
<<
/Type /StructElem
/S /H5
/T
/E
/Pg 7 0 R
/K [80]
>>
endobj
238 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [216]
>>
endobj
239 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [217]
>>
endobj
240 0 obj
```

```
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [218]
>>
endobj
241 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [219]
>>
endobj
242 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [220]
>>
endobj
243 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [221]
>>
endobj
244 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [222]
>>
endobj
245 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [223]
>>
endobj
246 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
```

```
/K [224]
>>
endobj
247 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [225]
>>
endobj
248 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [226]
>>
endobj
249 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [227]
>>
endobj
250 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [228]
>>
endobj
251 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [229]
>>
endobj
252 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [230]
>>
endobj
253 0 obj
<<
```



```
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [231]
>>
endobj
254 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [232]
>>
endobj
255 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [233]
>>
endobj
256 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [234]
>>
endobj
257 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [235]
>>
endobj
258 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [236]
>>
endobj
259 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [237]
```

```
>>
endobj
260 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [238]
>>
endobj
261 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [239]
>>
endobj
262 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [240]
>>
endobj
263 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [241]
>>
endobj
264 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [242]
>>
endobj
265 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [243]
>>
endobj
266 0 obj
<<
/Type /StructElem
```

```
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [244]
>>
endobj
267 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [245]
>>
endobj
268 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [246]
>>
endobj
269 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [247]
>>
endobj
270 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [248]
>>
endobj
271 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [249]
>>
endobj
272 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [250]
>>
```

```
endobj
273 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [251]
>>
endobj
274 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [252]
>>
endobj
275 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [253]
>>
endobj
276 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [254]
>>
endobj
277 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [255]
>>
endobj
278 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [258]
>>
endobj
279 0 obj
<<
/Type /StructElem
/S /Figure
```

```
/P 17 0 R
/Pg 7 0 R
/K [259]
>>
endobj
280 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [260]
>>
endobj
281 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [261]
>>
endobj
282 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [262]
>>
endobj
283 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [263]
>>
endobj
284 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [264]
>>
endobj
285 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [265]
>>
endobj
```

```
286 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [266]
>>
endobj
287 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [267]
>>
endobj
288 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [268]
>>
endobj
289 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [269]
>>
endobj
290 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [270]
>>
endobj
291 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [271]
>>
endobj
292 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
```

```
/Pg 7 0 R
/K [272]
>>
endobj
293 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [273]
>>
endobj
294 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [274]
>>
endobj
295 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [275]
>>
endobj
296 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [276]
>>
endobj
297 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [277]
>>
endobj
298 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [278]
>>
endobj
299 0 obj
```

```
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [279]
>>
endobj
300 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [280]
>>
endobj
301 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [281]
>>
endobj
302 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [282]
>>
endobj
303 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [283]
>>
endobj
304 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [284]
>>
endobj
305 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
```



```
/K [285]
>>
endobj
306 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [286]
>>
endobj
307 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [287]
>>
endobj
308 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [288]
>>
endobj
309 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [289]
>>
endobj
310 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [290]
>>
endobj
311 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [291]
>>
endobj
312 0 obj
<<
```

```
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [292]
>>
endobj
313 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [293]
>>
endobj
314 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [294]
>>
endobj
315 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [295]
>>
endobj
316 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [296]
>>
endobj
317 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [297]
>>
endobj
318 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [298]
```

```
>>
endobj
319 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [299]
>>
endobj
320 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [300]
>>
endobj
321 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [301]
>>
endobj
322 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [302]
>>
endobj
323 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [303]
>>
endobj
324 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [304]
>>
endobj
325 0 obj
<<
/Type /StructElem
```

```
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [305]
>>
endobj
326 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [306]
>>
endobj
327 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [307]
>>
endobj
328 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [308]
>>
endobj
329 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [309]
>>
endobj
330 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [310]
>>
endobj
331 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [311]
>>
```

```
endobj
332 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [312]
>>
endobj
333 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [313]
>>
endobj
334 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [314]
>>
endobj
335 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [315]
>>
endobj
336 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [316]
>>
endobj
337 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [317]
>>
endobj
338 0 obj
<<
/Type /StructElem
/S /Figure
```

```
/P 17 0 R
/Pg 7 0 R
/K [318]
>>
endobj
339 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [319]
>>
endobj
340 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [320]
>>
endobj
341 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [321]
>>
endobj
342 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [322]
>>
endobj
343 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [323]
>>
endobj
344 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [324]
>>
endobj
```

```
345 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [325]
>>
endobj
346 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [326]
>>
endobj
347 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [327]
>>
endobj
348 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [328]
>>
endobj
349 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [329]
>>
endobj
350 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [330]
>>
endobj
351 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
```

```
/Pg 7 0 R
/K [331]
>>
endobj
352 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [332]
>>
endobj
353 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [333]
>>
endobj
354 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [334]
>>
endobj
355 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [335]
>>
endobj
356 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [336]
>>
endobj
357 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [337]
>>
endobj
358 0 obj
```



```
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [338]
>>
endobj
359 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [339]
>>
endobj
360 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [340]
>>
endobj
361 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [341]
>>
endobj
362 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [342]
>>
endobj
363 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [343]
>>
endobj
364 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
```

```
/K [344]
>>
endobj
365 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [345]
>>
endobj
366 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [346]
>>
endobj
367 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [347]
>>
endobj
368 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [348]
>>
endobj
369 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [349]
>>
endobj
370 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [350]
>>
endobj
371 0 obj
<<
```

```
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [351]
>>
endobj
372 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [352]
>>
endobj
373 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [353]
>>
endobj
374 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [354]
>>
endobj
375 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [355]
>>
endobj
376 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [356]
>>
endobj
377 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [357]
```

```
>>
endobj
378 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [358]
>>
endobj
379 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [359]
>>
endobj
380 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [360]
>>
endobj
381 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [361]
>>
endobj
382 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [362]
>>
endobj
383 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [363]
>>
endobj
384 0 obj
<<
/Type /StructElem
```

```
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [364]
>>
endobj
385 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [365]
>>
endobj
386 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [366]
>>
endobj
387 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [367]
>>
endobj
388 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [368]
>>
endobj
389 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [369]
>>
endobj
390 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [370]
>>
```

```
endobj
391 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [371]
>>
endobj
392 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [372]
>>
endobj
393 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [373]
>>
endobj
394 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [374]
>>
endobj
395 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [375]
>>
endobj
396 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [376]
>>
endobj
397 0 obj
<<
/Type /StructElem
/S /Figure
```

```
/P 17 0 R
/Pg 7 0 R
/K [377]
>>
endobj
398 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [378]
>>
endobj
399 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [379]
>>
endobj
400 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [380]
>>
endobj
401 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [381]
>>
endobj
402 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [382]
>>
endobj
403 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [383]
>>
endobj
```

```
404 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [384]
>>
endobj
405 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [385]
>>
endobj
406 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [386]
>>
endobj
407 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [387]
>>
endobj
408 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [388]
>>
endobj
409 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [389]
>>
endobj
410 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
```



```
/Pg 7 0 R
/K [390]
>>
endobj
411 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [391]
>>
endobj
412 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [392]
>>
endobj
413 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [393]
>>
endobj
414 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [394]
>>
endobj
415 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [395]
>>
endobj
416 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [396]
>>
endobj
417 0 obj
```

```
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [397]
>>
endobj
418 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [398]
>>
endobj
419 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [399]
>>
endobj
420 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [400]
>>
endobj
421 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [401]
>>
endobj
422 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [402]
>>
endobj
423 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
```

```
/K [403]
>>
endobj
424 0 obj
<<
/Type /StructElem
/S /Figure
/P 17 0 R
/Pg 7 0 R
/K [404]
>>
endobj
425 0 obj
<<
/ca 1
/BM /Normal
>>
endobj
426 0 obj
<<
/ca .9
/BM /Normal
>>
endobj
427 0 obj
<<
/ca .3
/BM /Normal
>>
endobj
428 0 obj
<<
/Type /ExtGState
/ca 0.0
>>
endobj
429 0 obj
<<
/Type /Pattern
/PatternType 2
/Matrix [.41623479 0 0 .41623479 356.94232 706.83118]
/Shading 443 0 R
>>
endobj
430 0 obj
<<
/Type /Pattern
/PatternType 2
/Matrix [-.3401911 0 0 -.3401911 102.280602 60.053589]
/Shading 444 0 R
>>
endobj
431 0 obj
<<
/Length 293
/N 3
/Filter /FlateDecode
>>
stream■
```

```
x}J(28hRpi"VSAOHS'tspu+.c(##ARx@?
endstream
endobj
432 0 obj
<<
/Length 3478
/Type /XObject
/Subtype /Image
/Width 240
/Height 108
/ColorSpace /DeviceGray
/BitsPerComponent 8
/Filter /FlateDecode
>>
stream
x[itUo-d' Q@d`dM9xEtAMd0" &2 @! !tvg{Nwu
"[(+QcQ)8$:6}C[h:RwBq_5^DI&xEXF.
fi(av'0w5xSPÂXe:R|0*: @U,<o/xo*jXb-]Qnp$:
+ @/TPjNnt0i?2iDoC!#n8/?>>IKsP68P~;b
0M*_F5G:ye^^y|o:"4wRwKFF|n3`y,8Y
]DH.dZ{[t]x3ku@Lw*nnyI
29#~$u$2=7Nä~"#a,z*2~B
pPK3D UU¥5DfyD-TUID2`n{Yc]"<9!(!).j "##nb<"
ZkUdVB@0oLK[|o]j/q7`&W(}3
K],R,5rnJE`bf;wg'hXi{6L+a`yq|?JUg
r$e&
iJqf
endstream
endobj
433 0 obj
<<
/G3 425 0 R
>>
endobj
434 0 obj
<<
/P7 445 0 R
>>
endobj
435 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
436 0 obj
<<
/G3 425 0 R
>>
endobj
437 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
438 0 obj
```

```
<<
/Type /Font
/Subtype /Type0
/BaseFont /AAAAAA+LeagueSpartan-Bold
/Encoding /Identity-H
/DescendantFonts [446 0 R]
/ToUnicode 447 0 R
>>
endobj
439 0 obj
<<
/Type /Font
/Subtype /Type0
/BaseFont /BAAAAA+MinionPro-Bold
/Encoding /Identity-H
/DescendantFonts [448 0 R]
/ToUnicode 449 0 R
>>
endobj
440 0 obj
<<
/Type /Font
/Subtype /Type0
/BaseFont /CAAAAA+MinionPro-BoldItCapt
/Encoding /Identity-H
/DescendantFonts [450 0 R]
/ToUnicode 451 0 R
>>
endobj
441 0 obj
<<
/Type /Font
/Subtype /Type0
/BaseFont /DAAAAA+Minion-Semibold
/Encoding /Identity-H
/DescendantFonts [452 0 R]
/ToUnicode 453 0 R
>>
endobj
442 0 obj
<<
/Type /Font
/Subtype /Type0
/BaseFont /EAAAAA+CanvaSans-BoldItalic
/Encoding /Identity-H
/DescendantFonts [454 0 R]
/ToUnicode 455 0 R
>>
endobj
443 0 obj
<<
/Function 456 0 R
/Extend [true true]
/Coords [52.439999 335.88 276.35999 111.959999]
/ShadingType 2
/ColorSpace /DeviceRGB
>>
endobj
444 0 obj
```

```
<<
/Function 457 0 R
/Extend [true true]
/Coords [52.439999 335.88 276.35999 111.959999]
/ShadingType 2
/ColorSpace /DeviceRGB
>>
endobj
445 0 obj
<<
/Type /Pattern
/PatternType 2
/Matrix [-6.1813927 0 0 -6.1813927 2033.9429 1648.17273]
/Shading 458 0 R
>>
endobj
446 0 obj
<<
/Type /Font
/FontDescriptor 459 0 R
/BaseFont /AAAAAA+LeagueSpartan-Bold
/Subtype /CIDFontType2
/CIDToGIDMap /Identity
/CIDSystemInfo 460 0 R
/W [0 [342]
  16 [442 0 0 727 0 753 0 666]
  36 [784 0 753 738 580 567 829 0 308 469
  0 565 946 826 877 666 0 716 672 596
  744 784 0 0 736]
]
/DW 273
>>
endobj
447 0 obj
<<
/Length 305
/Filter /FlateDecode
>>
stream
x[ ]Mj00000:0,E0;M00000^90#0]A-0EY00000'0.$040003\500000#L00000u&0u0000p000:0I0V00000300S;
J!00000000jZ00000=Q0H0000,Q000000vu00JyV00000[>00000r0U0<000%000P0;000\0H~0ò0000-0t1-50v0000u0000
endstream
endobj
448 0 obj
<<
/Type /Font
/FontDescriptor 461 0 R
/BaseFont /BAAAAA+MinionPro-Bold
/Subtype /CIDFontType2
/CIDToGIDMap /Identity
/CIDSystemInfo 462 0 R
/W [1 [217]
  11 [405 0 254 0 0 327]
  34 [706 637 676 761 581 0 727 0 0 366
  0 551 888 740 766 0 0 659 505 0
  0 711 0 0 655]
  66 [466 0 422 0 437 0 0 550 0 0
  0 278 0 0 525 0 0 404 383 339]
]
endobj
```

/DW 500

>>

endobj

449 0 obj

<<

/Length 336

/Filter /FlateDecode

>>

stream

x]n0E

/Edc !DH, Pi>"c g W-3ý Eu xw n0 y 9M J`X x;h p L^fOce e a  
Z m 5 l)ey,~ i};<R

>

endobj

451 0 obj

<<

/Length 310

/Filter /FlateDecode

>>

stream

x]j0~

C M!PR 9 d 1 {Hm; %Q5 {t t Xrcu z< U si 9 ~bl

>

endobj

453 0 obj

<<

/Length 333

/Filter /FlateDecode

>>

stream

x]R n0 +| ; R

A J ^ b,

/ 4 F+G D JK t R 3 M. D R j INW a%X r) a

endstream

endobj

454 0 obj

<<

/Type /Font

/FontDescriptor 467 0 R

/BaseFont /EAAAAA+CanvaSans-BoldItalic

/Subtype /CIDFontType2

/CIDToGIDMap /Identity

/CIDSystemInfo 468 0 R

/W [0 [715.82031 235.83984]

65 [920.89844]

130 [645.50781]

143 [555.17578]

149 [645.50781 0 0 0 585.44922]

164 [560.05859]

172 184 290.03906 190 [309.57031]

197 [630.85938]

203

[625.97656]

214 [645.01953 0 645.50781 422.36328 0 0 0 496.58203]

228 [418.45703]

233 [623.04688]

244 [579.10156]

251

[578.125]





```
/Flags 4
/Ascent 727
/Descent -273
/StemV 188
/CapHeight 651
/ItalicAngle 0
/FontBBox [-318 -360 1684 1024]
/FontFile2 475 0 R
>>
endobj
462 0 obj
<<
/Registry (Adobe)
/Ordering (Identity)
/Supplement 0
>>
endobj
463 0 obj
<<
/Type /FontDescriptor
/FontName /CAAAAA+MinionPro-BoldItCapt
/Flags 68
/Ascent 727
/Descent -273
/StemV 266
/CapHeight 651
/ItalicAngle -12
/FontBBox [-248 -369 1712 920]
/FontFile2 476 0 R
>>
endobj
464 0 obj
<<
/Registry (Adobe)
/Ordering (Identity)
/Supplement 0
>>
endobj
465 0 obj
<<
/Type /FontDescriptor
/FontName /DAAAAA+Minion-Semibold
/Flags 4
/Ascent 710
/Descent -224
/StemV 156
/CapHeight 650
/ItalicAngle 0
/FontBBox [-146 -250 1126 830]
/FontFile2 477 0 R
>>
endobj
466 0 obj
<<
/Registry (Adobe)
/Ordering (Identity)
/Supplement 0
>>
endobj
```

```
467 0 obj
<<
/Type /FontDescriptor
/FontName /EAAAAA+CanvaSans-BoldItalic
/Flags 68
/Ascent 1068.84766
/Descent -292.96875
/StemV 145.019531
/CapHeight 713.86719
/ItalicAngle -12
/FontBBox [-331.05469 -265.13672 1200.68359 959.47266]
/FontFile2 478 0 R
>>
endobj
468 0 obj
<<
/Registry (Adobe)
/Ordering (Identity)
/Supplement 0
>>
endobj
469 0 obj
<<
/C0 [.953 0 .141]
/C1 [.953 0 .141]
/Domain [0 1]
/FunctionType 2
/N 1
>>
endobj
470 0 obj
<<
/C0 [.953 0 .141]
/C1 [.455 0 .29]
/Domain [0 1]
/FunctionType 2
/N 1
>>
endobj
471 0 obj
<<
/C0 [.953 0 .141]
/C1 [.953 0 .141]
/Domain [0 1]
/FunctionType 2
/N 1
>>
endobj
472 0 obj
<<
/C0 [.953 0 .141]
/C1 [.455 0 .29]
/Domain [0 1]
/FunctionType 2
/N 1
>>
endobj
473 0 obj
<<
```



[illegible]

```

TqT2*:::ZD7 b j^C a~PXh(u=u"'"
Bve=W0' W V}||H/Qn v<v^I#XS1&4r/Y%V
a_0 jla17|o4Odl.E mt&` y1 zY8\ aXg f*q" VW y c O or?
B*( i u r D C h ) ] 9 l + 2 U->. v % G {
;( ! Lz F (= ( » : @ 4 T w S 9 " E d 1 K [ u
endstream
endobj
478 0 obj
<<
/Length 5697
/Length1 11356
/Filter /FlateDecode
>>
stream
x Z p k d lf5 + d d [ W ; z X m + c { G 2 $ 9 T 0 8 G 0 . % w ) % C
Q 8 cu ` u , G N 5 7 u ! ? 9 9 y û z 7 f b / d _ 3 N M & ! 7 A 3 PA,
~ 9 < 5 6 - L + [ . CB ; P % P
a , 7 t 0 ( l o n X
_ 0 | 9 @
% . T 8 45 T @ 4 : B 2 ! R @ < J t ] ` t 0 o 6 } h " A @ < 2 z
a . . a { @ ' A ~ l ` ; m 0 ` JA z Q f h n & 7 B G G ^ ~ y c
w P * & l h S ! Awx ( 2 Db , H & C SU 4 ( M c 8 L a 7 ua v % v ` %
è $ L O L 9 a Y X I e b Y Q e e Qi < * l 9 $ X : e V % : ] ~ C &
s ] l [ A X # e E ' ( k S ^ ] u x ] f ^ _ ^ ( z
K 2 E [ R
+ [ HR t Z 3 " \ i _ VS # = D . Z V 2 0 i ! b O EYx ? 8 m \ ur \ * E
_ ^
Y F 9 ; K 4 _ t R
V ? ! y M W & L ek ! " z ; Q t L c N [ % m + BY 0 co OX 7 ; * < A W
P . t [ p 05 ) d # ! l h ` ! ! v Q f ! >
! > $ h & E N ' , ( E
p ] < ' Rh 6 = D 4 Q ; Eh D 3 LT JK ; Q P v % m E 2 J Z
1 X ~ G G s H w + i = n ue X : o { % A S m B 7 pp S @ Q @ ) h " ]
4 d j G * + r D n h ! . ] He e t { > M o | w . ] n n _ { > X a } da O
ç 6 B [ Zh [ j d s qy v o < u > 9 ' t ! yt c F N . U y %
T H D B Y L ( G v J Qu q " Ir | 4 } X z f s 7 W w ~ . 4 K
G 0 # m m c R k 6 A M J | | @ @ 88 ! ` & | W LG M
n 3 d | 1 m x g { b * C : | ? . k 1 B | j G g ) 1 EJ a g
endstream
endobj
479 0 obj
<<
/C0 [.455 0 .29]
/C1 [.455 0 .29]
/Domain [0 1]
/FunctionType 2
/N 1
>>
endobj
480 0 obj
<<
/C0 [.455 0 .29]
/C1 [.953 0 .141]
/Domain [0 1]
/FunctionType 2
/N 1
>>
endobj
xref

```

0 481

0000000000 65535 f■  
0000000015 00000 n■  
0000000379 00000 n■  
0000000436 00000 n■  
0000000531 00000 n■  
0000000581 00000 n■  
0000000152 00000 n■  
0000000649 00000 n■  
0000001073 00000 n■  
0000001146 00000 n■  
0000004412 00000 n■  
0000004484 00000 n■  
0000004532 00000 n■  
0000009354 00000 n■  
0000009737 00000 n■  
0000010073 00000 n■  
0000010160 00000 n■  
0000026463 00000 n■  
0000029710 00000 n■  
0000029790 00000 n■  
0000029870 00000 n■  
0000029941 00000 n■  
0000030032 00000 n■  
0000030104 00000 n■  
0000030196 00000 n■  
0000030280 00000 n■  
0000030364 00000 n■  
0000030448 00000 n■  
0000030532 00000 n■  
0000030604 00000 n■  
0000030676 00000 n■  
0000030760 00000 n■  
0000030832 00000 n■  
0000030904 00000 n■  
0000030976 00000 n■  
0000031067 00000 n■  
0000031160 00000 n■  
0000031244 00000 n■  
0000031336 00000 n■  
0000031427 00000 n■  
0000031498 00000 n■  
0000031582 00000 n■  
0000031666 00000 n■  
0000031750 00000 n■  
0000031834 00000 n■  
0000031906 00000 n■  
0000031999 00000 n■  
0000032070 00000 n■  
0000032161 00000 n■  
0000032251 00000 n■  
0000032323 00000 n■  
0000032394 00000 n■  
0000032465 00000 n■  
0000032537 00000 n■  
0000032621 00000 n■  
0000032693 00000 n■  
0000032784 00000 n■  
0000032856 00000 n■

0000032947 00000 n■  
0000033038 00000 n■  
0000033122 00000 n■  
0000033213 00000 n■  
0000033293 00000 n■  
0000033373 00000 n■  
0000033521 00000 n■  
0000033643 00000 n■  
0000033735 00000 n■  
0000033831 00000 n■  
0000033923 00000 n■  
0000034015 00000 n■  
0000034111 00000 n■  
0000034203 00000 n■  
0000034338 00000 n■  
0000034409 00000 n■  
0000034499 00000 n■  
0000034571 00000 n■  
0000034660 00000 n■  
0000034809 00000 n■  
0000034880 00000 n■  
0000034969 00000 n■  
0000035040 00000 n■  
0000035129 00000 n■  
0000035200 00000 n■  
0000035291 00000 n■  
0000035363 00000 n■  
0000035454 00000 n■  
0000035575 00000 n■  
0000035668 00000 n■  
0000035739 00000 n■  
0000035830 00000 n■  
0000035902 00000 n■  
0000035993 00000 n■  
0000036111 00000 n■  
0000036228 00000 n■  
0000036311 00000 n■  
0000036383 00000 n■  
0000036474 00000 n■  
0000036546 00000 n■  
0000036637 00000 n■  
0000036748 00000 n■  
0000036845 00000 n■  
0000036918 00000 n■  
0000037011 00000 n■  
0000037083 00000 n■  
0000037176 00000 n■  
0000037294 00000 n■  
0000037367 00000 n■  
0000037460 00000 n■  
0000037545 00000 n■  
0000037687 00000 n■  
0000037759 00000 n■  
0000037849 00000 n■  
0000037921 00000 n■  
0000038006 00000 n■  
0000038123 00000 n■  
0000038195 00000 n■  
0000038288 00000 n■

0000038373 00000 n■  
0000038458 00000 n■  
0000038607 00000 n■  
0000038717 00000 n■  
0000038790 00000 n■  
0000038883 00000 n■  
0000038968 00000 n■  
0000039053 00000 n■  
0000039200 00000 n■  
0000039322 00000 n■  
0000039393 00000 n■  
0000039486 00000 n■  
0000039571 00000 n■  
0000039656 00000 n■  
0000039813 00000 n■  
0000039939 00000 n■  
0000040013 00000 n■  
0000040106 00000 n■  
0000040179 00000 n■  
0000040272 00000 n■  
0000040395 00000 n■  
0000040497 00000 n■  
0000040582 00000 n■  
0000040667 00000 n■  
0000040741 00000 n■  
0000040834 00000 n■  
0000040957 00000 n■  
0000041087 00000 n■  
0000041172 00000 n■  
0000041257 00000 n■  
0000041350 00000 n■  
0000041422 00000 n■  
0000041551 00000 n■  
0000041667 00000 n■  
0000041739 00000 n■  
0000041832 00000 n■  
0000041904 00000 n■  
0000041976 00000 n■  
0000042049 00000 n■  
0000042141 00000 n■  
0000042226 00000 n■  
0000042311 00000 n■  
0000042434 00000 n■  
0000042556 00000 n■  
0000042679 00000 n■  
0000042753 00000 n■  
0000042846 00000 n■  
0000042918 00000 n■  
0000043011 00000 n■  
0000043139 00000 n■  
0000043212 00000 n■  
0000043305 00000 n■  
0000043390 00000 n■  
0000043474 00000 n■  
0000043619 00000 n■  
0000043692 00000 n■  
0000043785 00000 n■  
0000043870 00000 n■  
0000043955 00000 n■



0000044086 00000 n■  
0000044171 00000 n■  
0000044256 00000 n■  
0000044329 00000 n■  
0000044422 00000 n■  
0000044581 00000 n■  
0000044652 00000 n■  
0000044742 00000 n■  
0000044814 00000 n■  
0000044904 00000 n■  
0000045005 00000 n■  
0000045078 00000 n■  
0000045169 00000 n■  
0000045241 00000 n■  
0000045332 00000 n■  
0000045481 00000 n■  
0000045554 00000 n■  
0000045627 00000 n■  
0000045718 00000 n■  
0000045808 00000 n■  
0000045901 00000 n■  
0000045974 00000 n■  
0000046067 00000 n■  
0000046140 00000 n■  
0000046213 00000 n■  
0000046310 00000 n■  
0000046382 00000 n■  
0000046475 00000 n■  
0000046547 00000 n■  
0000046640 00000 n■  
0000046764 00000 n■  
0000046837 00000 n■  
0000046929 00000 n■  
0000047014 00000 n■  
0000047099 00000 n■  
0000047219 00000 n■  
0000047292 00000 n■  
0000047384 00000 n■  
0000047469 00000 n■  
0000047554 00000 n■  
0000047681 00000 n■  
0000047766 00000 n■  
0000047850 00000 n■  
0000047922 00000 n■  
0000048015 00000 n■  
0000048154 00000 n■  
0000048254 00000 n■  
0000048350 00000 n■  
0000048434 00000 n■  
0000048526 00000 n■  
0000048618 00000 n■  
0000048702 00000 n■  
0000048794 00000 n■  
0000048884 00000 n■  
0000048977 00000 n■  
0000049082 00000 n■  
0000049173 00000 n■  
0000049293 00000 n■  
0000049374 00000 n■

0000049609 00000 n■  
0000049690 00000 n■  
0000049763 00000 n■  
0000050385 00000 n■  
0000050466 00000 n■  
0000050547 00000 n■  
0000050628 00000 n■  
0000050709 00000 n■  
0000050790 00000 n■  
0000050871 00000 n■  
0000050952 00000 n■  
0000051033 00000 n■  
0000051114 00000 n■  
0000051195 00000 n■  
0000051276 00000 n■  
0000051357 00000 n■  
0000051438 00000 n■  
0000051519 00000 n■  
0000051600 00000 n■  
0000051681 00000 n■  
0000051762 00000 n■  
0000051843 00000 n■  
0000051924 00000 n■  
0000052005 00000 n■  
0000052086 00000 n■  
0000052167 00000 n■  
0000052248 00000 n■  
0000052329 00000 n■  
0000052410 00000 n■  
0000052491 00000 n■  
0000052572 00000 n■  
0000052653 00000 n■  
0000052734 00000 n■  
0000052815 00000 n■  
0000052896 00000 n■  
0000052977 00000 n■  
0000053058 00000 n■  
0000053139 00000 n■  
0000053220 00000 n■  
0000053301 00000 n■  
0000053382 00000 n■  
0000053463 00000 n■  
0000053544 00000 n■  
0000053625 00000 n■  
0000053706 00000 n■  
0000053787 00000 n■  
0000053868 00000 n■  
0000053949 00000 n■  
0000054030 00000 n■  
0000054111 00000 n■  
0000054192 00000 n■  
0000054273 00000 n■  
0000054354 00000 n■  
0000054435 00000 n■  
0000054516 00000 n■  
0000054597 00000 n■  
0000054678 00000 n■  
0000054759 00000 n■  
0000054840 00000 n■

0000054921 00000 n■  
0000055002 00000 n■  
0000055083 00000 n■  
0000055164 00000 n■  
0000055245 00000 n■  
0000055326 00000 n■  
0000055407 00000 n■  
0000055488 00000 n■  
0000055569 00000 n■  
0000055650 00000 n■  
0000055731 00000 n■  
0000055812 00000 n■  
0000055893 00000 n■  
0000055974 00000 n■  
0000056055 00000 n■  
0000056136 00000 n■  
0000056217 00000 n■  
0000056298 00000 n■  
0000056379 00000 n■  
0000056460 00000 n■  
0000056541 00000 n■  
0000056622 00000 n■  
0000056703 00000 n■  
0000056784 00000 n■  
0000056865 00000 n■  
0000056946 00000 n■  
0000057027 00000 n■  
0000057108 00000 n■  
0000057189 00000 n■  
0000057270 00000 n■  
0000057351 00000 n■  
0000057432 00000 n■  
0000057513 00000 n■  
0000057594 00000 n■  
0000057675 00000 n■  
0000057756 00000 n■  
0000057837 00000 n■  
0000057918 00000 n■  
0000057999 00000 n■  
0000058080 00000 n■  
0000058161 00000 n■  
0000058242 00000 n■  
0000058323 00000 n■  
0000058404 00000 n■  
0000058485 00000 n■  
0000058566 00000 n■  
0000058647 00000 n■  
0000058728 00000 n■  
0000058809 00000 n■  
0000058890 00000 n■  
0000058971 00000 n■  
0000059052 00000 n■  
0000059133 00000 n■  
0000059214 00000 n■  
0000059295 00000 n■  
0000059376 00000 n■  
0000059457 00000 n■  
0000059538 00000 n■  
0000059619 00000 n■

0000059700 00000 n■  
0000059781 00000 n■  
0000059862 00000 n■  
0000059943 00000 n■  
0000060024 00000 n■  
0000060105 00000 n■  
0000060186 00000 n■  
0000060267 00000 n■  
0000060348 00000 n■  
0000060429 00000 n■  
0000060510 00000 n■  
0000060591 00000 n■  
0000060672 00000 n■  
0000060753 00000 n■  
0000060834 00000 n■  
0000060915 00000 n■  
0000060996 00000 n■  
0000061077 00000 n■  
0000061158 00000 n■  
0000061239 00000 n■  
0000061320 00000 n■  
0000061401 00000 n■  
0000061482 00000 n■  
0000061563 00000 n■  
0000061644 00000 n■  
0000061725 00000 n■  
0000061806 00000 n■  
0000061887 00000 n■  
0000061968 00000 n■  
0000062049 00000 n■  
0000062130 00000 n■  
0000062211 00000 n■  
0000062292 00000 n■  
0000062373 00000 n■  
0000062454 00000 n■  
0000062535 00000 n■  
0000062616 00000 n■  
0000062697 00000 n■  
0000062778 00000 n■  
0000062859 00000 n■  
0000062940 00000 n■  
0000063021 00000 n■  
0000063102 00000 n■  
0000063183 00000 n■  
0000063264 00000 n■  
0000063345 00000 n■  
0000063426 00000 n■  
0000063507 00000 n■  
0000063588 00000 n■  
0000063669 00000 n■  
0000063750 00000 n■  
0000063831 00000 n■  
0000063912 00000 n■  
0000063993 00000 n■  
0000064074 00000 n■  
0000064155 00000 n■  
0000064236 00000 n■  
0000064317 00000 n■  
0000064398 00000 n■

0000064479 00000 n■  
0000064560 00000 n■  
0000064641 00000 n■  
0000064722 00000 n■  
0000064803 00000 n■  
0000064884 00000 n■  
0000064965 00000 n■  
0000065046 00000 n■  
0000065127 00000 n■  
0000065208 00000 n■  
0000065289 00000 n■  
0000065370 00000 n■  
0000065451 00000 n■  
0000065532 00000 n■  
0000065573 00000 n■  
0000065615 00000 n■  
0000065657 00000 n■  
0000065705 00000 n■  
0000065829 00000 n■  
0000065954 00000 n■  
0000066328 00000 n■  
0000069981 00000 n■  
0000070016 00000 n■  
0000070051 00000 n■  
0000070112 00000 n■  
0000070147 00000 n■  
0000070208 00000 n■  
0000070364 00000 n■  
0000070516 00000 n■  
0000070674 00000 n■  
0000070827 00000 n■  
0000070985 00000 n■  
0000071132 00000 n■  
0000071279 00000 n■  
0000071406 00000 n■  
0000071717 00000 n■  
0000072098 00000 n■  
0000072455 00000 n■  
0000072867 00000 n■  
0000073246 00000 n■  
0000073632 00000 n■  
0000074034 00000 n■  
0000074443 00000 n■  
0000074969 00000 n■  
0000075384 00000 n■  
0000075507 00000 n■  
0000075630 00000 n■  
0000075777 00000 n■  
0000075986 00000 n■  
0000076062 00000 n■  
0000076267 00000 n■  
0000076343 00000 n■  
0000076556 00000 n■  
0000076632 00000 n■  
0000076837 00000 n■  
0000076913 00000 n■  
0000077176 00000 n■  
0000077252 00000 n■  
0000077346 00000 n■

0000077439 00000 n■  
0000077533 00000 n■  
0000077626 00000 n■  
0000077749 00000 n■  
0000079787 00000 n■  
0000084552 00000 n■  
0000090120 00000 n■  
0000095040 00000 n■  
0000100829 00000 n■  
0000100921 00000 n■

trailer

<<

/Root 1 0 R

/Info 6 0 R

/ID [

]

/Size 481

>>

startxref

101014

%%EOF

---

Page: <https://www.njit.edu/life/recreation-fitness>

Recreation & Fitness | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts

Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving



[MyNJIT Login](#)  
[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Canvas](#)  
[WebEx](#)  
[Jobs @ NJIT](#)

[Search](#)  
[Admissions](#)  
[Academics](#)  
[Research](#)  
[About](#)  
[Life at NJIT](#)  
[Athletics](#)  
[I am a...](#)

[Apply now](#)  
[Home](#)

[Life at NJIT](#)  
[Recreation & Fitness](#)  
[Recreation & Fitness](#)

NJIT makes it easy to get out of the lab or library and get rid of some stress through exercise.

[Life at NJIT](#)  
[In This Section](#)  
[Activities & Organizations](#)  
[Career Center](#)  
[Campus Center](#)  
[Housing & Dining](#)  
[Student Life](#)  
[Health & Safety](#)  
[Recreation & Fitness](#)  
[Gyms & Facilities](#)  
[Intramural Sports](#)  
[Transportation & Parking](#)

[On & Around Campus](#)

Recreational activities and exercise are excellent ways for students to take a break from the rigors of academic life. NJIT's new

If you interested in NJIT's Division I sports, club or intramural programs, visit

[Highlander Athletics](#)

.

[Fill out an online application today!](#)

[Apply Online](#)

[Download a brochure and learn about NJIT](#)

[Download](#)

[Schedule a visit to campus](#)

[Schedule a Visit](#)

---

Page: <https://www.njit.edu/admissions/graduate-faqs>

[Graduate FAQs | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

Admission Requirements  
High School Counselors  
How to Apply  
Admitted Students  
Graduate Admissions  
How to Apply  
Graduate FAQs  
Admitted Graduate Students  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs

Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness

Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login

Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Search  
Admissions  
Academics  
Research  
About  
Life at NJIT

Athletics

I am a...

Apply now

Home

Admissions

Graduate Admissions

Graduate FAQs

Graduate FAQs

We have a major impact on technological graduate education, ranking highly in diversity, research activity, and a number of ma

Graduate Admissions

In This Section

Undergraduate Admissions

Graduate Admissions

How to Apply

Graduate FAQs

International Students

Tuition & Aid

Visiting/Non-Matriculated Students

Dates and Deadlines

Apply Now

Contact Admissions

Blog

How long will it take to process my application?

Your application will be reviewed as soon as all required documents are received by the Admissions Office.

Will NJIT accept unofficial copies of my transcripts or documents?

NJIT will accept unofficial copies of any required documents needed to complete your application. Admitted students are expected to provide official documents.

Can I apply to several degree programs at the same time?

No, applicants can apply to one degree program only.

How can I find out the status of my application?

Students are able to check the status of their application online via the application portal. Go to [connect.njit.edu/apply/](http://connect.njit.edu/apply/).

Can you tell me if I have been accepted over the phone?

Admission decisions cannot be released over the phone because we cannot verify the identity of the caller. All admission decisions are made by the Admissions Office.

What are the policies on changing from one program to another?

Students can apply for a department transfer after completing one full year in their enrolled program by submitting a formal application to the Admissions Office.

Can I take courses before being admitted into a graduate program?

Students are permitted to register for up to 9 credits of non-matriculated coursework with the written approval of the academic department.

Can I authorize a friend to be responsible for my application process?

You can have a friend inquire about missing documentation. However, admission decisions are provided directly to the applicant.

Test Scores

What are the TOEFL, IELTS, Duolingo, PTE, GRE and GMAT requirements?

The minimum TOEFL score requirement is 79 (Internet-Based), 550 (Paper-Based) or 213 (Computer-Based). The minimum IELTS score is 6.5. The minimum Duolingo score is 105. The minimum PTE score is 59. The minimum GRE score is 310. The minimum GMAT score is 650.

The individual academic departments determine the required GRE and GMAT scores. You can learn more [here](#).

We encourage those students who have taken the test to submit scores.

How can I receive more information about the TOEFL, IELTS, Duolingo, PTE, GRE and GMAT exams?

GRE Information -

[www.gre.org](http://www.gre.org)

GMAT Information -

[www.gmat.com](http://www.gmat.com)

TOEFL Information -

[www.toefl.org](http://www.toefl.org)

IELTS information -

[www.ielts.org](http://www.ielts.org)

Duolingo -

[www.duolingo.com](http://www.duolingo.com)

PTE -

[www.pearsonpte.com](http://www.pearsonpte.com)

Financial Aid

How do I apply for financial aid?

All applicants are automatically considered for financial support by the academic department at the time of admission. There is no separate application for financial aid.

What are other forms of financial assistantships available at NJIT?

Limited graduate assistantships are available through the Office of Graduate Studies annually to enrolled students. Please feel free to contact the Office of Graduate Studies for more information.

International Students

When will I receive my I-20?

Visa eligibility forms are released once a student has been formally admitted to NJIT and has submitted appropriate financial documentation.

Can I receive my I-20 electronically?

Yes, your I-20 will be e-mailed to you after you have been admitted to NJIT and your appropriate financial documentation has been received.

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <http://www.njit.edu/admissions/how-apply>

[How to Apply | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

[Proposal Preparation Forms and Guide](#)

[Pre-Award Services](#)

[Post-Award and Closing Requirements](#)

Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center

Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home  
Admissions  
Undergraduate Admissions  
How to Apply



[How to Apply](#)

[Join the 9,200+ undergraduates that call NJIT home and become a part of Highlander Nation!](#)

[Undergraduate Admissions](#)

[In This Section](#)

[Undergraduate Admissions](#)

[First-Year Students](#)

[Transfers](#)

[Admission Requirements](#)

[School Counselors](#)

[How to Apply](#)

[Transfer Students](#)

[Previously Enrolled/Readmit Students](#)

[Dates & Deadlines](#)

[Admitted Students](#)

[Graduate Admissions](#)

[International Students](#)

[Tuition & Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Blog](#)

[NJIT has earned national and international prominence by developing relevant academic programs taught by expert faculty. The](#)

[Application Checklist](#)

[Completed application - NJIT accepts the](#)

[Common Application](#)

[for First-Year admission](#)

[Application fee \(or a College Board or other fee waiver\)](#)

[High school transcript](#)

[SAT \(use code 2513\) or ACT \(use code 2580\) - see](#)

[Test-Optional Admission Policy for Fall 2024](#)

[Letter of recommendation](#)

[Portfolio \(for applicants who wish to attend the Hillier College of Architecture and Design\) - see](#)

[Admission and Portfolio Requirements](#)

[Learn more about the application process](#)

[Apply Now](#)

[Fill out an online  
application today!](#)

[Apply Online](#)

[Download a brochure and learn about NJIT](#)

[Download](#)

[Schedule a visit to campus](#)

[Schedule a Visit](#)

---

Page: <https://www.njit.edu/admissions/applying-visa>

[Applying for a Visa | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

Graduate Admissions  
How to Apply  
Graduate FAQs  
Admitted Graduate Students  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories

Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus

Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home  
Admissions  
International Students  
Applying for a Visa  
Applying for a Visa  
We recommend that you check with the U.S. embassy or consulate nearest to you to get updated information regarding the doc  
International Students  
In This Section  
Undergraduate Admissions  
Graduate Admissions  
International Students  
How to Apply  
Applying for a Visa  
For Degree-Seeking Students  
For Visiting Students  
International Transfer Credit  
Tuition & Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines

Apply Now

Contact Admissions

Blog

A list of all U.S. embassies and consulates can be found at [www.usembassy.gov](http://www.usembassy.gov)

Students are required to provide their visa application form (with the appropriate, non-refundable fee), their passport, an I-901 S

What to Bring With You to the Visa Interview

Be sure to bring the following with you to the visa appointment:

Passport

Required photo(s)

Proof of visa fee payment

SEVIS I-901 fee payment receipt

U.S. non-immigrant visa application forms

NJIT acceptance letter

Form I-20 or DS2019 issued by NJIT

Test scores and academic records

Proof of financial support

Evidence of ties to your home country

Any other documents required by the embassy or consulate

What you need to know

Financial certification

The consulate officer will require evidence of strong ties to your home country such as family, business, or financial support in y

Educational goals

You should be able to explain why you chose NJIT and why you want to study in the United States, instead of studying in your c

Be clear

Your interview will likely be only a few minutes long; make sure you respond to questions in a clear and concise way, to give a l

Leaving family behind

Be prepared to explain how your family will be financially supported while you are NJIT if they will remain in your country while y

English proficiency

Your interview will likely be conducted in English.

Visa denials and visa delays

The most common reasons for visa denials are:

Lack of evidence to prove financial capability to study in the United States

Lack of evidence to prove strong ties to the home country

If your visa application is denied, you will be able to reapply for a visa; however, please contact the Office of Global Initiatives in [global@njit.edu](mailto:global@njit.edu)

so we can assist you.

Visa delays can happen due to many different factors, including but not limited to: holidays, request for additional information, s

F or J Visa

Most students come to the United States on an F-1 student visa. This visa type will be used for students coming to NJIT to purs

If you are participating in the exchange visitor program, you need to obtain a J-1 visa. Generally, a J-1 visa is required for stude

Early Arrivals and Tourist Visas

DO NOT enter the U.S. as a tourist with a B-1, B-2 visa stamp or with a WT (waiver tourist) if you are a citizen of a country that

If you enter as a tourist, you must apply for a change of status to F-1 or J-1, in order to enroll as a full-time student. Unfortunate

You can enter the U.S. up to 30 days before the date indicated on your Form I-20 or DS2019.

Canadian Citizens

Canadian citizens are exempt from visa requirements, but must present the following documents upon entering the United State

NJIT acceptance letter

Canadian passport

Proof of SEVIS I-901 Fee Payment

NJIT Form I-20

Proof of financial support matching the information on your Form I-20

Other than the visa requirements for entry into the U.S., all travel documents and regulations for Canadian citizens are the same

By law, international students may travel to the United States no more than 30 days before the start of classes.

Students Currently in the United States

If you are already an F-1 visa holder because you are attending another institution in the U.S., you will need a new Form I-20 to

If you are currently holding another visa type and wishes to change it to F-1, please contact the Office of Admissions at [admissions@njit.edu](mailto:admissions@njit.edu)

for assistance.  
Fill out an online  
application today!  
Apply Online  
Download a brochure and learn about NJIT  
Download  
Schedule a visit to campus  
Schedule a Visit

---

Page: [https://www.njit.edu/admissions/tuition-costs/#collapse2\\_9c168948f0e89df882e82857ee017180](https://www.njit.edu/admissions/tuition-costs/#collapse2_9c168948f0e89df882e82857ee017180)

Tuition & Costs | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations

About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research



About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home

Admissions  
Tuition & Aid  
Tuition & Costs  
Tuition & Costs

For each academic year, the standard cost of attendance as defined by the Student Financial Aid Services (SFAS) Office depends on the student's living situation.

Tuition & Aid  
In This Section  
Undergraduate Admissions

Graduate Admissions  
International Students

Tuition & Aid  
Tuition & Costs

Financial Aid  
Visiting/Non-Matriculated Students

Dates and Deadlines

Apply Now  
Contact Admissions

Blog  
Undergraduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

New Jersey Residents  
Non-New Jersey Residents

Tuition  
\$16,334  
\$34,024

Fees  
\$3,640  
\$3,640

Total Tuition and Fees  
\$19,974  
\$37,664

\*\* Full-time = 12-19 credits

For New Jersey resident and Non-New Jersey resident students  
living on campus

, the value for  
Housing & Food is \$16,450  
and

Additional Indirect Cost is \$5,200.

For New Jersey resident and Non-New Jersey resident students  
living with parents

, the value for  
Housing & Food is \$9,800  
and

Additional Indirect Cost is \$6,900

.  
For New Jersey resident and Non-New Jersey resident students  
living off campus

, the value for  
Housing & Food is \$17,936  
and

Additional Indirect Cost is \$6,900

.  
The value for  
Books & Supplies is \$3,400

(first-year and transfer non-architecture students) and

\$4,800

(first-year and transfer architecture students).

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Graduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

New Jersey Residents

Non-New Jersey Residents

Tuition

\$23,076

\$33,138

Fees

\$4,734

\$4,734

Total Per Year

\$27,810

\$37,872

\*\* Full-time = 9 credits

For New Jersey resident and Non-New Jersey resident students

living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$6,400.

For New Jersey resident and Non-New Jersey resident students

living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$9,400

.

The value for

Books & Supplies is \$1,600 for non-architecture students

and

\$2,000 for architecture students.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Online

Graduate e-Tuition (100% online)

Cost per credit -

\$1,143

Undergraduate e-Tuition (100% online)

Cost per credit -

\$537

International Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

Undergraduate

Graduate

Tuition and Fees

\$37,664

\$38,436

Living Expenses

\$16,450

\$16,450

Other Expenses (health insurance, etc.)

\$10,787

\$10,187

Total Estimated Cost

†

\$64,901

\$65,073

\*\* Full-time for undergraduate students = 12-19 credits

\*\* Full-time for graduate students = 9 credits

† All expenses are estimated. Expenses are indirect costs and may vary.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Fill out an online  
application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <https://www.njit.edu/careerservices/service-learning-program>

Service Learning Program | Career Development Services

[Skip to main content](#)

[Menu](#)

[Career Development Services](#)

[Search](#)

[In This Section](#)

[Home](#)

[About](#)

[CDS Advisory Board](#)

[Career Outcomes Dashboard](#)

[CDS Metrics](#)

[2024 Post-Graduation Outcomes Report](#)

[Top Employers and Graduate/Professional Schools](#)

[Starting Salary Data](#)

[Contact Us](#)

[Get Prepared](#)

[Resumes and Cover Letters](#)

[Find Your Career Advisor](#)

[Events and Workshops](#)

[Interview Prep](#)

[Career Planning](#)

[Alumni Career Spotlights](#)

[Career Assessments](#)

[Career Closet](#)

[Find Opportunities](#)

[Handshake](#)

[Co-op & Internship](#)

[Micro-Internships](#)

[Career Fairs](#)

[On-Campus Interviewing](#)

[Additional Job Search Resources](#)

[Graduate & Professional School](#)

[Report Employment](#)

[Community Service](#)

[NJIT Votes!](#)

[Volunteer Opportunities](#)

[Community Service Work-Study Programs](#)

[Service Learning Program](#)

[Alternative Spring Break](#)

[First Year Service Day](#)

[Garrison-Kirk Community Service Scholarship](#)

[Non-Profit Agencies](#)

[For Employers](#)

[Career Fairs](#)

Agenda/Display Information  
Directions and Parking  
Co-ops/Internships  
On-Campus Interviewing (OCI)  
Branding Opportunities  
Sponsor Packages  
Become an ELEVATE Partner  
Hiring International Students  
Top NJIT Recruitment Partners  
NJIT Alumni Campus Champions  
Starting Salaries  
Report Hiring Outcomes  
CDS News

Home

Community Service

Service Learning Program

Service Learning Program

At NJIT, Service Learning offers a connection between STEM focused academics, and engagement based experiences in the s

Community Service

In This Section

Home

About

Get Prepared

Find Opportunities

Community Service

NJIT Votes!

Volunteer Opportunities

Community Service Work-Study Programs

Service Learning Program

Alternative Spring Break

First Year Service Day

Garrison-Kirk Community Service Scholarship

Non-Profit Agencies

For Employers

CDS News

NJIT students complete a community service activity or project for courses that include a service related component, or a faculty

Faculty

Benefits of Service-Learning For Faculty

provides increased student contact while contributing to student development; enhancing the connection between faculty and st

extends campus resources into the community and reinforces the value of the scholarship of engagement.

supports NJIT's 2025 Vision:

NJIT,

the state's public polytechnic research university, is committed to excellence and global impact through: Engagement—applying

initiates community building projects and prepare students for civic responsibility locally and globally.

invigoration of teaching methods

enhance opportunities for research and publication.

connects the community with curriculum, becoming more aware of current societal issues as they relate to academic areas of in

To learn more about the NJIT Service Learning Program, please refer to the

NJIT Service Learning Handbook

or contact:

Vivian Lanzot, Director, Community and Public Service at

lanzot@njit.edu

or 973-596-3642

Related Links:

Service Learning Faculty Handbook

---

For Researchers | Research  
Skip to main content  
Admissions  
Undergraduate Admissions  
How We Evaluate Applicants  
How to Apply  
Admitted Students  
Graduate Admissions  
How to Apply  
Admitted Graduate Students  
Graduate FAQs  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Majors and Minors  
Academic Support & Advising  
Graduate Studies  
Graduate Degree Programs  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional & Corporate Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
NJIT Strategic Research Plan  
Research Data and Publications  
About Us  
Centers and Laboratories  
For Researchers  
Funding Opportunities  
Active Programs and Grants  
Proposal Preparation Forms and Guide  
Policies  
Pre-Award Services  
Grant Management Guide  
Grant and Contract Accounting  
Post-Award and Closing Requirements  
Grant Management Software System  
Research Compliance  
Responsible Conduct of Research  
Institutional Review Board  
Institutional Biosafety Committee

Laboratory Safety, Training and Compliance  
Animal Care and Use (IACUC)  
Export Control  
CITI Software  
OMB Uniform Guidance  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPP FAQs  
Intellectual Property (IP) Committee Members  
Commercial Enterprise Development  
Contact DIPP  
Educational Grant Support Resource  
Educational Programs Support and Centers  
Academic Achievement Program Agreements  
Funding Resources and Opportunities  
Proposal and IRB Templates  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Courtesy Appointments  
Distinguished Research Panels/Seminars  
Research News  
Research FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Maps and Directions  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Health & Safety  
Student Health Services  
Counseling and Psychological Services

Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Moodle  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Moodle  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
NJIT Implementation of Recent Executive Orders  
Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research  
Home  
For Researchers  
For Researchers  
The Office of Research provides research and development support services through the departments of Pre-award Services, F  
For Researchers  
In This Section  
Home  
Office of the Senior Vice Provost for Research  
For Researchers  
Roles and Responsibilities in Grant Management  
Funding Opportunities  
Streamlyne  
Pre-Award Services

Post-Award Management  
Research Compliance  
Research Policies  
Courtesy Appointments  
Pivot-RP Research Funding  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Intellectual Property and Commercialization  
NJIT Research Centers and Laboratories  
Faculty Awards Initiative  
National Academy of Inventors - NJIT  
Research FAQs  
Research News  
Contact Us

Highest

NJIT Earns Highest Research Rating (R1)

Source: Carnegie Classification

\$49M

NJIT's largest research and development grant

Our researchers collaborate with each other, partners in industry, government and peer institutions.

Learn More

Research Administration

There are multiple layers involved in the NJIT management of the Sponsored Research Enterprise. However, they can be classified as follows:

NJIT's Strategic Plan and Research Mission

Identifying funding opportunities

Proposal preparation

Award negotiation

Award management

Regulatory compliance

Intellectual property protection and technology transfer

Effort commitment and certification

Communication of policies and processes

Grant Management

relates to all of the administrative tasks required to handle the money, reporting, and program implementation in a way that meets the needs of the university and the funding source.

It is ensuring that

program staff

have the latitude to accomplish something meaningful at the same time that

every obligation to the funding source is met and fall within governing regulations

.

The

Office of Research

provides administrative, compliance, and financial management support for research grants and contracts. This includes disseminating information about research opportunities and managing the research process.

The Office of Research provides research and development support services through the following units:

College Research Liaisons

Pre-Award Services

Post-Award Management

Research Compliance and Integrity

Intellectual Property

---

Page: <https://www.njit.edu/precollege/upward-bound-english-language-learners-ubells>

Upward Bound for English Language Learners (UBELLs) | Center for Pre-College Programs

[Skip to main content](#)

[Menu](#)

[Center for Pre-College Programs](#)

[Search](#)



In This Section

Home

About Us

Our Staff

Pre-College Advisory Board

Sponsors and Partners

Publications

Contact Us

Student Programs

NJ GEAR UP/College-Bound Programs

NJ GEAR UP/College-Bound Program

Upward Bound

TRiO Programs

Educational Talent Search

Upward Bound

Summer Early College Preparatory Programs (ECP) & STEMx

Saturday Morning STEM (SMS)

Academy College Credit Courses for High School Students

Dual Enrollment Partnership / Options Program

FSI -Forensic Science Initiative

Educator Programs

STEM Forum for School Leaders

Outcomes Assessment and Evaluation

Research Experiences for Teachers Archive

NJ Forensic Science Education Conference

Teacher Prep Program in Forensic Science

Virtual Learning

Family Programs

STEM Family Workshops

Family Open Houses

Virtual Learning

Competitions

Elementary STEM Challenge

New Jersey Science Olympiad

News & Events

Events

News

Home

Student Programs

NJ GEAR UP/College-Bound Programs

Upward Bound for English Language Learners (UBELLs)

Upward Bound for English Language Learners (UBELLs)

The Upward Bound for

E

nglish

L

anguage Learners (UBELLs) program offers fundamental support to prepare participants to enter college.

NJ GEAR UP/College-Bound Programs

In This Section

Home

About Us

Student Programs

NJ GEAR UP/College-Bound Programs

NJ GEAR UP/College-Bound Program

Upward Bound

TRiO Programs

Summer Early College Preparatory Programs (ECP) & STEMx

Saturday Morning STEM (SMS)

Academy College Credit Courses for High School Students

Dual Enrollment Partnership / Options Program

FSI -Forensic Science Initiative

Educator Programs

Family Programs

Competitions

News & Events

The program focuses on participants' academic success in high school and ultimately assists them in their higher-education pursuit.

UBELLs at NJIT specifically serves low-income and first-generation college-bound English-language learners at two Newark high schools.

Upward Bound is a federally funded TRiO program. For more information about TRiO programs please visit the U.S. Department of Education.

.

Services and programs offered through Upward Bound for English Language Learners (UBELLs):

- Saturday and academic-year classes at the NJIT campus in computers, science, math, English and Spanish
- Tutoring program
- Leadership training activities
- Cultural field trips
- Mentoring activities
- Counseling and academic advisement
- Career orientation
- College preparation and financial-aid workshops
- Rigorous six-week summer academic program at the NJIT campus in computers, science, math, English and Spanish
- Social activities
- Health and fitness activities

How Do I Qualify?

Students who have completed 8th grade but have not entered the 12th grade are eligible to apply and are selected on the basis of the following:

- Participation in the bilingual and/or ESL program at target high schools
- Minimum GPA of 2.0
- Teacher/counselor recommendations
- Low-income and/or first-generation college student
- Desire to pursue higher education

Program Cost

It is entirely free. Students are provided with books, instructional supplies, field trips, meals, and public transportation tickets at no cost.

Target Schools

The Upward Bound for English Language Learners (UBELLs) Program at NJIT recruits students from the following Newark public high schools:

- Barringer High School
- East Side High School

Contact

Veronica E. Encalada Director

Phone: 973-642-4197

Fax: 973-642-4195

Email: [guzman@njit.edu](mailto:guzman@njit.edu)

Callout Link

Related Links:

[Program Application](#)

[Medical Form](#)

[Online Application](#)

---

Page: <https://www.njit.edu/precollege/pre-college-advisory-board>

[Pre-College Advisory Board | Center for Pre-College Programs](#)

[Skip to main content](#)

[Menu](#)

[Center for Pre-College Programs](#)

[Search](#)

[In This Section](#)

[Home](#)

[About Us](#)

[Our Staff](#)

[Pre-College Advisory Board](#)

[Sponsors and Partners](#)

[Publications](#)

[Contact Us](#)

[Student Programs](#)

[NJ GEAR UP/College-Bound Programs](#)

[NJ GEAR UP/College-Bound Program](#)

[Upward Bound](#)

[TRiO Programs](#)

[Educational Talent Search](#)

[Upward Bound](#)

[Summer Early College Preparatory Programs \(ECP\) & STEMx](#)

[Saturday Morning STEM \(SMS\)](#)

[Academy College Credit Courses for High School Students](#)

[Dual Enrollment Partnership / Options Program](#)

[FSI -Forensic Science Initiative](#)

[Educator Programs](#)

[STEM Forum for School Leaders](#)

[Outcomes Assessment and Evaluation](#)

[Research Experiences for Teachers Archive](#)

[NJ Forensic Science Education Conference](#)

[Teacher Prep Program in Forensic Science](#)

[Virtual Learning](#)

[Family Programs](#)

[STEM Family Workshops](#)

[Family Open Houses](#)

[Virtual Learning](#)

[Competitions](#)

[Elementary STEM Challenge](#)

[New Jersey Science Olympiad](#)

[News & Events](#)

[Events](#)

[News](#)

[Home](#)

[About Us](#)

[Pre-College Advisory Board](#)

[Pre-College Advisory Board](#)

[The Pre-College Programs Advisory Board provides representation by business and industry, as well as educators from public a](#)

[About Us](#)

[In This Section](#)

[Home](#)

[About Us](#)

[Our Staff](#)

[Pre-College Advisory Board](#)

[Sponsors and Partners](#)

[Publications](#)

[Contact Us](#)

[Student Programs](#)

[Educator Programs](#)

[Family Programs](#)

[Competitions](#)

[News & Events](#)

[Dr. Jacqueline L. Cusack](#)

[Executive Director, Center for Pre-College Programs, NJIT■](#)

[Andréa Lewis-Walker, Chair](#)

[Chief Deputy of Operations, US District Court, District of NJ, Martin Luther King Jr. Courthouse](#)

[Dr. Frank R. Alvarez, Vice Chair](#)

[Retired Superintendent, Montclair Public Schools. Board Chair, Victoria Foundation](#)

Dr. Jason Baynes  
Orthopedic Surgeon, Baynes Orthopaedics, LLC, CPCP Alum, NJIT Board of Trustees  
Dr. Joel S. Bloom  
President Emeritus, NJIT  
Dr. Howard Kimmel  
Professor Emeritus, Chemical Engineering, NJIT  
Nadia Makar  
STEM Supervisor, Jose Marti STEM Academy  
Kenneth A. Myers  
Community Development Market Manager, Assistant Vice-President, Synchrony Bank  
Dr. Nitin Parekh  
President & CEO, Espicor International  
Thomas J. Phelan  
President, BHX Engineering & Planning. LLC, NJIT and CPCP Alum  
Dr. Laurent Simon  
Vice Provost for Undergraduate Studies, NJIT  
Stefan Williams, Esq.  
Vice President, General Counsel, Advanced Sterilization Products, Inc.

---

Page: [https://www.njit.edu/careerservices/sites/njit.edu.careerservices/files/cds\\_by\\_the\\_numbers\\_2024.pdf](https://www.njit.edu/careerservices/sites/njit.edu.careerservices/files/cds_by_the_numbers_2024.pdf)

%PDF-1.4

%██████

1 0 obj

<<

/Type /Catalog

/Version /1.4

/Pages 2 0 R

/StructTreeRoot 3 0 R

/MarkInfo 4 0 R

/Lang (en)

/ViewerPreferences 5 0 R

>>

endobj

6 0 obj

<<

/Title (Class of 2024 Outcomes Report)

/Creator (Canva)

/Producer (Canva)

/CreationDate (D:20250407135127+00'00')

/ModDate (D:20250407135126+00'00')

/Keywords (DAGU4CRJc0A,BABzxFVReEo,0)

/Author (NJIT CDS)

>>

endobj

2 0 obj

<<

/Type /Pages

/Kids [7 0 R]

/Count 1

>>

endobj

3 0 obj

<<

/Type /StructTreeRoot

/K [8 0 R]

/ParentTree 9 0 R

```
/ParentTreeNextKey 65
>>
endobj
4 0 obj
<<
/Marked true
/Suspects false
>>
endobj
5 0 obj
<<
/Type /ViewerPreferences
/DisplayDocTitle true
>>
endobj
7 0 obj
<<
/Type /Page
/Resources <<
/ProcSet [/PDF /Text /ImageB /ImageC /ImageI]
/ExtGState 10 0 R
/XObject <<
/X4 11 0 R
/X6 12 0 R
/X9 13 0 R
/X10 14 0 R
/X11 15 0 R
/X12 16 0 R
/X13 17 0 R
/X14 18 0 R
/X15 19 0 R
/X16 20 0 R
/X17 21 0 R
/X18 22 0 R
/X19 23 0 R
/X20 24 0 R
/X21 25 0 R
/X22 26 0 R
/X23 27 0 R
/X24 28 0 R
/X26 29 0 R
/X31 30 0 R
/X33 31 0 R
/X35 32 0 R
/X37 33 0 R
/X39 34 0 R
/X41 35 0 R
/X43 36 0 R
/X45 37 0 R
/X47 38 0 R
/X49 39 0 R
/X51 40 0 R
/X53 41 0 R
/X55 42 0 R
/X57 43 0 R
/X59 44 0 R
/X61 45 0 R
/X63 46 0 R
>>
>>
```

```
/Font 47 0 R
>>
/MediaBox [0.0 7.9200063 612.0 799.92]
/Contents 48 0 R
/StructParents 0
/Parent 2 0 R
/Tabs /S
/BleedBox [0.0 7.9200063 612.0 799.92]
/TrimBox [0.0 7.9200063 612.0 799.92]
/CropBox [0.0 7.9200063 612.0 799.92]
/Rotate 0
/Annots []
>>
endobj
8 0 obj
<<
/Type /StructElem
/S /Document
/P 3 0 R
/K [49 0 R]
>>
endobj
9 0 obj
<<
/Limits [0 0]
/Nums [0 [50 0 R 51 0 R 52 0 R 53 0 R 54 0 R 55 0 R 56 0 R 57 0 R 58 0 R 59 0 R
60 0 R 61 0 R 62 0 R 63 0 R 64 0 R 65 0 R 66 0 R 67 0 R 68 0 R 69 0 R
70 0 R 71 0 R 72 0 R 73 0 R 74 0 R 75 0 R 76 0 R 77 0 R 78 0 R 79 0 R
80 0 R 81 0 R 82 0 R 83 0 R 84 0 R 85 0 R 86 0 R 87 0 R 88 0 R 89 0 R
90 0 R 91 0 R 92 0 R 93 0 R 94 0 R 95 0 R 96 0 R 97 0 R 98 0 R 99 0 R
100 0 R 101 0 R 102 0 R 103 0 R 104 0 R 105 0 R 106 0 R 107 0 R 108 0 R 109 0 R
110 0 R 111 0 R 112 0 R 113 0 R 50 0 R 114 0 R 51 0 R 52 0 R 55 0 R 56 0 R
58 0 R 59 0 R 63 0 R 64 0 R 67 0 R 68 0 R 72 0 R 73 0 R 75 0 R 78 0 R
79 0 R 80 0 R 82 0 R 84 0 R 86 0 R 87 0 R 89 0 R 91 0 R 92 0 R 94 0 R
99 0 R 100 0 R 102 0 R 104 0 R 105 0 R 106 0 R 108 0 R 109 0 R 111 0 R]
]
>>
endobj
10 0 obj
<<
/G3 115 0 R
/G8 116 0 R
/gs3 117 0 R
>>
endobj
11 0 obj
<<
/Length 72410
/Type /XObject
/Subtype /Image
/Width 800
/Height 470
/ColorSpace [/ICCBased 118 0 R]
/BitsPerComponent 8
/Filter /DCTDecode
/ColorTransform 0
>>
stream
C
```

■■■■■  
■■

■■■C■■■■■■■■■■  
■■■

#####  
#####}#####!1A##Qa#"q"2####B####R####\$3br##  
#####%&'()\*456789:CDEFGHIJSTUVWXYZcdefghijstuvwxzyz#####  
#####w#####!1##AQ#aq#"2####B#####3R####br##  
#\$4#%#####&'()\*56789:CDEFGHIJSTUVWXYZcdefghijstuvwxzyz#####  
##;=###!#.#;(####2#####\#'dg'7R###L#####(3#R##+##i#####'xG#####u'9#####mvQ###.#####w^####H#B#^#9  
##+##i#q(##>#####u^##6#####:##>z#yj#####P#W5X#####b#####:##s#####O\*##=y  
#fP######(R!#####nO#Y#j#5#####g#l#\$M#####4##n#####u#####jiq#b#vQ#####g######E#Q  
#D#####\###Z#H#####Fl#v###m###x#q4L#7^Fj9J###S#P#####Wq#####s#####5wB<#,#g#####NS?  
##|##Al#t#\_#####>#####gL#####D#####|u#e#####5###g#Kfw+5O!W#####L##]#3VR###i###P  
#####oZ  
#####l#6###PQ  
o#####a#ic#####\_1####  
Z#=######~#####o###^3#N#'[  
#####z#z#####yO#N#(M###S###czQ#\*#####G#PloJ|#####u#l###4###t####.;Ah(####n#####a#,MIB#ú#  
#####\_9#####9j#d#####Kbe#T#z)Y#2#N/U#P#r#####\*#####Y#(####N###C#,#H#|#####f?+f#####f)#[@  
#0#Bi#7m#c#####2#ou###Z###s#####}#(#####G#B#####:%,F##|###+?dj#  
#####1#Z#d(##64y#Lq\#V#;>cn###q#e#####p#bj###5u###Vv9#####~j###6u  
Rj###ZF'<#T##j###H##g#####12IE;###r###;###[###4###a)#####F#####]#####jsKq###P")#j#Grd@#####U###H#####t  
lkq###W#`#|#####g71#  
z#####HfA&k#0T#.#~)##c\*Cc###/4###4#####n>#####>#####,#6###EyQ###|##=GM###L#{#m#^G%i#####  
#####{z##\*#####M  
#####-IO  
#####m#mL#4#qYv#k#TtFEk#####W###NE6m#####N#R###Cb###l\*}#RZ#v#####μ#y#3W#Q#####\*0|l#####vi6##  
#####cXG#ndtr#W#####6V#T#g%#σ#N#####f#T#%#####q#####t±#####j#####;#|-tB#1###4###  
s#]\*#####j#b#####3(###Nr#,#i#r######k###^S###P#q#^#6###vJ#####\*#  
#####jyY2#j#o#V\$#~###-l#CP###m#####8###)u(u#####Z#d#E#-#z{###;q###uS#rU#y#iw#}#####  
g#D#iN'W#\_#^"G#####wz\*##9#&#####\_#v#  
#Y#6x###m#b2#@#####T#d'###T.Q#####O#####O#####|D###mko"#####~[#####g###Tc###O#\_#\$#&#c#####  
^###m#####5######[###T5#####D#####loJ#TM#####  
#j######b#S#####Uz  
|#####)Wn9#####o#####qA#####.#####;(Ø#<;j#####=:Q#####G#####c#####{###V<#####k#####i#####c2#P  
#~l#S#[[##1#####xn#l#me-#Gu#####+#####j#####n#####j#H###\_1###5#R#O#####|#####°TN9H#####  
###:4,zP###>#\*y#j#z#1#P#~###1cV###(,Z###1#########(\$m###9PP.V#####r#####P.VF#t#{#####O|/A#  
#k###n#####wf#123..2###Hz###j#yh###W#####b#4O[C#l#p###V#c#####}##]#l#B#k#U#####Q###?/z#;#####>  
#d#O#2\*#####5q#####&#Ve#####EW#####y######^Z#####U#o#/#L#U#FW#####D#:######T)  
#####H#5Z#[#####-###O+##2!#####|###V#K###}###+#V###):#####o#####L######7v#y###R0d#####(l"X#n###  
###T##;###5###n#####[Kc###P#6#####:sG#####Au6#5#####7#\*###R#i6#kM^FOc#####W#F#7G#U  
#B#  
#)]#!UC.###h#loJvb#Bl#g###b.#####\$#####j###E#####UGp  
#1#v#####m#J[(###φ#)+)F#)z#Y#?5c###b#Zo#TJ###1#u#c###9R:##nm#>#+#####+D#yH###M#####Q4###kt###\$#c2  
###}jR#####m#####R!###N/V#  
#####2###V#mm#####>8#####l#w#T#%bE###8#####Vf#W###T>fGL|#U|###(r#####<#Z#9P7C#####yH#\_#L  
#.#':#L##{#####k2#Z#Dr#####,#h!#####Xu#d#####-#####R###~!jKck\$#####[B'<#c#####|b#M###-q#[#v#1#####  
#q#Wh#.#dh#####PRR#T##;#Rv#T#####X###d?xZ#j#"oJ#####;1|###,###U#g#####6Zdr###1#Q#####B  
kT#g-###Z###?#####w#####^}##>###mmmP#\_#Xb\*#####zE#####5#s###wRv\#jK#A###G@#####s#Q#####/##c  
#(#####G#78#RX#####b#4#G#M#####?#o###\*=###+Mg#w#Z#J#V#####R2#####W23#d  
#JF#####0#k#####:='#####x#oX#v#bj#4#EZ#J#M#####RW\*#####S\*Wu4###-#####o###|#####7  
###[#####5^2#####g#\*#j###T#V#d4q>2#Hm###kjG5Gh#1#x###Hf#=#'a#c#####9X#7#'###-B#F###W#####D#b#B  
#(#####U#####s#-IZOz#####Ke#\_P#####R#####c+#J#\*#y###h###+h#=#j#By#r#####-@#+#qSvZ#p#####  
#####X#)"E#Tb#####Y#;#Y#h#####\$#####s#[#####e+###sB#Ki?#u9M#L#[o#iV:aH#####G#)Q\$)  
#4m|?#####k#X#O#X~a#####.mi#oz###@#x#####;#####RY#####f###|v#####r#t#D##;#j#####wC#N#l#\*  
#z###\*  
H###=#Y#F#1###/###9#####O,#X#####X#5#Ng#JF#####n#####4Y#####\#t####?#d?d\*##5<###}###  
SL#####<#bL?  
b#d#####E#mV#jO#(#####A{###3n#####9#25#####-YT^#4#p~6#####q#l#######O###0~#Kc#####u#####%8###%3  
9#AR#@#####o###>8#####f#####Z#L#4#t#g#####9#####mRv|###:##e\*F#####μW\$###1#i,#N#S#"#[x#####i  
s#C#]#^hq.#####-#8###6#D#3,|x#K#####Si#+)###~###=OF#####38'L\_/##L}#####\*#####  
#v/#.f.#####R1h#####B##



■fl■IJ■i■3■g\*■?G■5■:■d)r■Zn■5■:■D)■6■|■■■■'■tF6,■■■2■■■■W■\■■■■■■■■!{5■■W1<■)■  
■■■■■/■■■■Yq■■■s2yP■■■■X■■■D~\_■?czP■■■{■■■)(■67■■■/■A<■<■z■■■■h■■■\_■■■D■S■2■C■  
■■■P■h■■■■h■■h■w■■E■\■■■=■■is■\*r.Y■|■■■+■U6■■■cM■■■■T■3j■MD\_■\■■■■X■on■■5■■E■■■■■■jz■■  
■■■o  
FR■■■}■■■■■■■  
F■■■}■3n■WT)■■■Pk■■■]■■■?;? -mv■y■■■6■■■f8■k■■■2■■■Y■a■s■:■■■|■xY■■■U■■■t■■■>■■■In■k■T■■  
■+■V■M■■■kEP■■■i■V■■■U■■■M68■■■■3■0■aX■■■■q1n■■■<■■■+■■■c!■■■`B■i■L■\$■■■3■;■f■\■E■8xL■  
■z■■■~6■■■F■■'■■■1■D■?■■■■H■■■W■F■■■■■■■■]■1■■■■■■■■T\*■\_■AV■■■■■■■■4■■■  
dC&■■■[■J■>■6■■■[■3■T■5■-■■j■c\*■Y■■V■■■Wys■W■■■■YJCdm■T■g■5■■n■■G/\*4-■T/■a■■■di<■2■  
■M■u■F■y■■■s■■p■■■]Y■■■■|■x■R■O#■p■■■~■F■iF■■■■i■■■Sx■■■m■■■><■^\*■■■=■\_y■■■G■■■■V■■  
■■■)■■■■M■■.■■■\*4■■■■■■vV■■■>V■N■%■■■■we■■■9■3>]BF■■■a■.dG■J■.■s2■■■6z■D■I■Uee■Q\$■;a■h■d■\*l■  
■uB>■■■■■■[■■■n.\$■F■■■■j■■)■■■nS■■■U■■■mC^■■■XV■duP■■■v■■~■■V■■■■v■■■■a■■■O]■■■q■■■■  
■■■k■?fsZ■■■eU■a\*■■■&b■M\$■■■S■w■■■\$+■1■■■;a■■■8k■dQf■H■tP0■■■■■■\_■k■?■■C■■OVY■■■  
J■\■\■+■i2B■v■@■U4■■■■&■!■■■■+■■■#■f1■■■j9Ps2■■■Xn■HF■■■.■Z■■y■v■R■ZF■\$■o?■P■■  
■■■:■3B■■Z■■■■Kt■■■e\_0■■V■4■Ø■F■■■}\*■■■5■■■>Uc■ZBD■■■,{■uk■b■L■Yc■■■J■bjZ■■o■  
■uyM■JL■u■bl■ur■■u■Ü■d■r+■■;aN1■■■5■■■E■oLR■@9c■■■>■■■■2■■■e■■■?■^■>■■■G■?■■■2G■■  
VB■■■%■V■+  
R\*H■■■+X■`■1RA■j■lc"■^6■)■■6■■■d■■p■Tw2■ k6x■■■■h■}6■Z■■■[■■■?■■■■■■■■;X■x■■■x■#Am■■■Z■■■\$■  
■■u■?■!o■%c\*F■oZ■■■d■■YrH■X■■■■r■c■kZQ■9kr■■■■{u■?■■■uK■9■K■GA■■■■■■)■c■i■'M■■■f;■■■\$■  
■■■ak■■■Z\*■■■k■;■■■■:■c■<~U■■.■■■■■■)s  
■■■f■■■]■■■@r■■■■9l-■■■  
.■■■k)lh■;W■■4).■9■Z■■■/■■■2"e■■"■■■Q■S#■■■■■■F■■■■>■■■P■■■■;■h)■+■(■■.;■■■6■\*■M■+■o■~■  
■,0■^M■■C■G■■■@z■■■■.f1■■■>■#cl1=kH{■■■■Z■■■^?■■■■|■■■t■■U■■■2>■■1~■■■|■■■v■■■wqh■■■>  
■G■!v■■■[■Cc■Xv■■5■■■k■|V■e■■■■?■+Vb■.■■k■4■Hh■■■b■■■■■■d■!J■.w0■7o■■■y■.N■%■■=K■■  
|■4V■z■■■■3■■E■r■■■[■Qt■■■f■■■&■Y■■■/■■■(■■■■■■=M■■Z■tP■■M■■\$nT■■■q■■■E■H■W■6Tn■■  
=■r■e■r■  
9X■n■■O■■■■Dv■■■wFW■■■?■■Ss■~2h+)■+~■bz■moe#■■■zlo"■■J■■■■■■■■\$■■■■■■r>■(■■n■■  
■■■h■■\_u■■U■■',■z■■■#■■■■4i'■7n■■U■■6■■■■:■f■\5■■)■\6-■x■■■3■■■■■■K■■qF■■■R■■p■■  
9■■A■j■■■  
■■■9■1■sZ■■■4■■■ae■k■■hv■,+■■■■^~Z■■■#B■dZ■#■j9■%lt■■■#^■■2■e8#)■■sl■^mV■\*■O■\$B■■■■  
■■Q■G■s^|■■■■[■■■iX■■■>8■T■FY■nQ]■9■u■■]■■mm■■■{G■■■■}■■\_■-gR■\$N■4y■>■■■>;■■■X■■■k■#■  
Z■■■■■■■■WC■>■r■s■■z■■■G■■0■■F■AQ"h■■■■G■■Wu■■■p■■■U■}■■■+H■■J■;■■5■s■C■  
■bQ:■b■l■9■O■■iD■KY■■■f■■■\$W■Y\*p■j■■■θ■■■■c\*E■■+f■■■Hθ■h■■■■\■  
■■■;■4B■■■■1G0■f■■■g)■■0■■elt■■■{■T■■■■■■!+■J■)U■■■■■■9■■+VfD■E■2"u■?■■■#■■`|■■■4,v  
■(■■■■■■■■@■:■■■■6■■■  
■f3`■4■n■■■■}E■'■  
■49P■  
■■■C■w■J■\■Q■■■■j■■■■■■■■r■V2■j■]■l]■%g■■■i■■b■?)■■■d■6■■■k■■■■3s\■■v■■CEf■Ex  
■X■o■■■dR■■■+■■■R%■w■.■■mt■■\*E■■■■o■■■S)Q(■■■J■U9■D-■■■C■L■R■u■%3■■■un■■■!a■  
\■■"CYq■■■t■■■■cv■QW■x■■■s■■U■■■,+■U%■■■\_■S"■\$j■T■Z■■■\*;■■■F■■■F■■■F■+■■DCE■  
■G■■■■1-■1■-■■■■■■{■j■■■■.■■■e■v■■q:■m■■■4■z■■■E■h■■f■#B■W■■K8■■sT■■■56■V■■■■  
  
H|?(■■■h■  
#3■ZW■S■=H|"■■■P2H■■■H■f■y.■■w■E■■■■J■■SH■■■\$■■■■pA■jv■■■3f■ %lQ■'j  
■■■■■■M■■■LO■C■ir|■■■o■9■■■■■■■■D■ku \_■■■■■■LO■\*■>■Q?8|Q5■■■,~s(■^%Gi■iG■)■■/■!■■7■■V■■j  
■\_■■sW■■yQ46~o■■■■E}/x■■■j|■■F■'■■j■■■h■Ue■■■■)S■■C^J■{(■■■■i■`■Q)^(i1o■5■\*■\*f=■■■■L■t■■  
■',Vl■■■9■■■x■■■#■■r■q■■■q■■vS■D■O■^■Q■3■■rJ■■vB■dv:■?■-■■■■?■y,l■i■■!■y■U■■■&O■■Kl  
s■■■V&■■■(■aQv8■a■■■t"~■■■■■■tV■'■■■h■■■>]■■■l|'■■■>■■■416■x■\_■■■■TO■x■■■(■■■■■■■■■■  
■■Z26■■■■h■~;■\*■k■m■■■gzd■h■Z■■■:<■<■■■■P■n■o■■5■4■|■2>■■■?■?■ζ■■■■,■■^■■c■1J■■■-g■■■v  
G■■uo■■■■f■■■P<■■■~\*■■■■5EX\■R■>■■C■b;■b■■■?■■U■■zTj■■■\_■■q■■■\■V■■■}W■\■f■s+■■W■■■f\*■  
■■\■■{■k■■i■■jK■V■■g■■h■■■!w■3■■■+■&E■■■lg)■■2■■P■E\1■■u■G■■■02■■■s■R■■g]■U■■■  
r■O■■■\$6■■E■■}■Z■te■rR■G■■■■■■u■%■■■?5yui■■■■e■S■■■\*■■+7\_1[+X■'']xo■■W■Mqm{[■D■[■■  
u■z■~■■■j■&■■■X■■■gchgq?■T■s■■■t■■■·Em■■e■E■h■■Z■<■1-Yj■■■■P4■K]IYyq\■■■■z■■ydP}■■x■■  
■■■(■■U■ewc■t#■IWi6■\$■n■■■■^■■■5o}■■■N\*■■■■o■x■■0■%k■Fq\■x6■h■Y■Z■H■=■Ek{[■■v■■v■k■{  
■#h■■■■■■W2%■■■P■■■■■■M■■U■O\*■■■N■\kG■■■■■■■■Z■y■■■■■\*VO8■■■'■Q■■■D  
■4■■s■  
\\■■■■■■\■■E■■[■■■ml■■0+j]3■■■ej■■■9j■■■!c■■D■■h■[m01u)■■-■~jks3■■■w■V■u■■■m■A<■■  
■T■■■1x■x■■■G■j■■h■0■b■■■■H?■■■)D■■■&f■■■@■v■tQ■(■v&■Y■l■■■%■■Z■nS■■■4■a■■U■■WB■j  
■Vl■■■■■■:a■;=■■■%■■■■■■\*■■■■|■■■\*■■■■Mc■t■dj[■J~■6R-G4Lr■■■>dJ[■N■E■t■R■■■■(■j■■■j■Ø■s



1>KP8Zg~K H\_W+^ao[z7b e-s)ZnC,Rk6T M Q v4[F9,-C>Z M yQ~"X^[:U^P T7rDFOWEs4S)^%+6w9@[e^kV1/tR V X-yXQvV4:tY=l4|m+9y&wD r s-rU|:h H\_O[[ \$ ^L r aN\ / J))}]W{w\* p<\OO o x x \_'6>zgN s X? \$! ^>8J i2 Pi q z!3 W h g? / U G e S j Y q R B` m: 31x: TL} S N? WQ M 5`# : N V o' 3W , n~u V n 5zq 9 \$ m V u.c z i\ T \$ w7? o# 1: ] ( V |aup o ] G <: V } U c y C^2^p 71 N^S J \$ i FF 5` t4<: n 8 + = Y ^ O G1 E v 2 v3? =? h - \_ %sN m\_v {! a # 5S 0S x/P M Vq z l W l {WU8 us k fa 5 R xS G | V 2 >b J ; } : # V ~ z k b l V 56 p \ Q- t) H [ w H T X X 27 EU U U 9 d] g , s | @ ] . 4 -y u=: v i i aft 2 ) + %>n ^4 # p y \ \_ ] \_ a k Z 7\$ O\* | S? + Q M 3 h # | u ^ \*e S ? -n#>d o G- m c M - w- \$ c L G u f ? J Q ? t C z fi-7 ? X H R \* ] ( ( 6 + u y >: V m U B g / t V 7 X ( u o V 6 K M ? = 4 L ' O j U L c N v ~ F ~ v ~ e ? / - p W ~ a 3 } 8 t w j ^ O > 5 K { 6 k N \_ t h q ^ t N F i 7 O r 4 a / @ ^ F & ' 5 } Q ^ a @ o ; y K [ Y 3 V c g f i \$ \ ~ G ÷ X L u Z C % U ] ~ # t + W G <: ; M u f G L ; Q V < ; p x V m v f 1 ] k 1 j 4 j x u y } # x b k J G 5 # K y 2 ? ] 9 4 \ o e.c < & [ J y , ^ ) m 4 c 1 \$ { T { 7 S gp > ) B 7 Gh M Y a { bg' # } k C k # U \_ 7 ( j v j l b | O i ; \* u E \_ ( 4 \* > w \ { v > - k Z - # g T } > B Z f 5 ) | / & 1 W 1 ^ L ] j o xc : B "' T 0 : n - W V nc l @ p s Q G n 8 j e 4 h K | + H ' i 6 M m Q # ) x n Y R F 6 ? 3 | W C z 7 > [ v / C ] l o h V G G = m k ? B ? X . F q m d ; s ? [ Cr ? M s g T ' r \_ f r B \$ V Q 0 " S A k r o A \_ j 2 - K s H C \_ : [ O " 7 = < , o 0 Z G | F Y , ; & t 9 ' ~ 6 v C [ y ? | ( { h | ` # Y q [ N \_ \$ h @ + Y e W 4 ~ \_ } / N P x n | Z H z X c \_ h e ^ = \* Q ~ | q 2 u R ? O X 4 u a g / ) 4 , ± O ^ ~ \* C " - by V Z A | y b ~ < T Q / 3 g + SK w Y O [ < j M ~ j " " P ~ c 8 " w J P N ^ | x u H ^ 7 < v ( d G 8 1 ~ ? | W | J C r ? u o V # f h V m ] [ Y M < | ] E V / P h 5 U J ' m e + o ^ t # ( o + u } W + ; h z 1 x Os ; J X D O & 49 > O > G y } r ~ 7 G 05 . r | ~ } - b ] @ < } v ( c \* S P . b P ( = h Y 7 | ) [ \* 9 J L - ; k h 2 : j v l > ? k 1 m = H U . R J . a q ! ( u k q 4 = ] 3 9 C O \$ ( H ) C c ? k \* ; ^ v = f { 6 ( W 4 ^ O F 4 7 P f @ # w ? clq P & 9 o j 6 @ L = , r P v A z ( h U - ) U " 3 h : ~ v ( 6 @ g C @ | J 6 / 5 V X + n R < 2 FB + [ Y - + | ? n i V + / @ Y ? W 33 g + | c P ? 5 W ! [ u g q r { a \_ 9 < } c z . v o ? g @ ) | E ; ? ] UR ? O ! ~ v \_ P i h j i : TP p ' t S @ U + & N : ( E ; z P @ % 7 ) z M ( ( E - P @ P 4 k # = M ti OC we 5 0 ~ 3 1 ? ( l y f , z q 9 ; ) Z j \ Z ? @ . \ P h s w m 9 d - | \* | : J 6 6 [ u Q v g x s Z h X s 2 / x G J + v - \ , | 3 # C % u j Y 2 i T ~ T G X h b \* ; PP U 8 a s G ( s s R f K u F ' 4 s ) 6 \* " P [ J E 5 a o V u 4 m < 7 j V 1 { endstream endobj 12 0 obj << /Length 4625

[illegible]

endstream





stream  
x m; P = C  
K([4;6M/V\$[o<V\O]`GyRr bA4^&c y  
nO--?g7n

endstream  
endobj  
25 0 obj  
<<  
/Length 108  
/Type /XObject  
/Subtype /Form  
/Resources <<  
/ProcSet [/PDF /Text /ImageB /ImageC /ImageI]  
/ExtGState 144 0 R  
>>  
/BBox [0 0 742 485]  
/Group 145 0 R  
/Filter /FlateDecode  
>>

stream  
x m10} {/H H PBif7Xj{S`Sd0~6&{üNsl

endstream  
endobj  
26 0 obj  
<<  
/Length 108  
/Type /XObject  
/Subtype /Form  
/Resources <<  
/ProcSet [/PDF /Text /ImageB /ImageC /ImageI]  
/ExtGState 146 0 R  
>>  
/BBox [0 0 742 485]  
/Group 147 0 R  
/Filter /FlateDecode  
>>

stream  
x m10} @  
K(CifWXM: #p9n^0S ym sy~1c5

endstream  
endobj  
27 0 obj  
<<  
/Length 106  
/Type /XObject  
/Subtype /Form  
/Resources <<  
/ProcSet [/PDF /Text /ImageB /ImageC /ImageI]  
/ExtGState 148 0 R  
>>  
/BBox [0 0 741 504]  
/Group 149 0 R  
/Filter /FlateDecode  
>>

stream  
x m; P {5 C  
K(FA>zO^Yaqz;dNw;|DLa\$NO{fx  
endstream  
endobj



28 0 obj

<<

/Length 18972

/Type /XObject

/Subtype /Image

/Width 340

/Height 172

/ColorSpace /DeviceRGB

/SMask 150 0 R

/BitsPerComponent 8

/Filter /FlateDecode

>>

stream

x[ ]}t\WyÄ.,)m)K R R( B RH @ =  
fi8V y3 K n e 5 ~ 4 ; o F5 Q j T F5 Q j  
N Zq \_ c ^ d V > { H H - + [ z F G G i k \ V - : [ 6  
l9) , e  
/ t C ' 3 P - = 3 w z f Ôtg\$ sT \$ J ; Z ( bc m e \_ d  
TR R5S i h l 0 mb Y # % & ) ? : y h | 94 T XQ  
B |  
e H i 14 ] F F z : G8222555=2rrddz` M ? h G h { C D = ZWw z z w  
x w ` L & 6 k , X ) P , U j 4 T i : ' i e < U ] p A ~ l 2 799 r = \* t Z v l j  
> n < : . ? h : " \* z ^ z Q , k { f 6 \_ 8 > B T s ; 30 |  
{ T v QX m ^ i W < ? e i O J y R U \_ Qal m D8 ? e Y . D W4  
0 % ! ] l > 8 , N + b 0 ; ? Mo { [ 7 - ; 5 v ç h b  
' + V b R , R S ' + | w g & 3 # v - O  
& 2 u ' G L = f Y a P , Q > ! GPP n ^ r G D \* F  
 } < r Ku h ? O , Sn Ovv b + 8 7 ? a [ # 5 ze 7 - L p 1 k j ` X  
 3 j [ G7 m i i N & b CO > y ' Y3 ~ \_ j G y z w zu  
 U i WK S F2 ? Q F UX 1 G " ] 7 ] 1 \_ zz c log  
 m W o : ! å 1 } z d > K 7 i 3 ; s Y3 == a v8 f " 2 G ? ; l L | F  
 8 ^ s a 7 ? ? : F a b c | 6 } J0 \_ - ua q ( F 1 |  
 KT 1 ? W i % h i O j H ' ? | alp , J an4 S P ; , U  
 ' W4 J E d s j a [ N ' P v d8 \_ g O - > | > W & g X +  
 e  
 T o ; , F7 n b c Y - Q c R } 9 NG 7 O H H 7 d p q j ( l ) 0 A  
 YQ L . ~ h [ Q Z \* n p \_ : QR f  
 > { | \$ z ! @ Q To / - W f : n { { \$ v . : e  
 6 > : | e X ( ) { < + D n0 JeN = L g ? S = r s N T ; J  
 qs G 5 F ^ ( r ? Af 3 ~ 9 \_ W H eg ? { 6 Q 370 ^ Q > ~  
 k F G 2 t t3 # m / : | - N ci 8 ~ / z Q \$ q , \* mf , [ < k r l x  
 t O M T @ MpQ A / } 05 G J M 7 J =  
 T t 4 | m \$ ! Y # c j " \ W \_ j y 9 O X k 9 ? i \$ t G C @ x Z  
 6 k J e G " X 2 9 / c V @ 4 w ' y ) ) 2 2 \_ sc \_ ) } h SVF  
 O HE u ) J 0 Z  
 ] X m ) S \$ , Dkkew | f S ML ; { ; @ b ( N t 0 h i B  
 " ^ ; uknd \_ ~ [ 5 C7 = w # / 1 O | & \$ \_ Os / HV  
 ] OFZk j us p ei { o > > | y x - = x c . v | " p O %  
 \* 2 ; m J i  
 7 : O < t " 6 ^ [ w Y H6 e { HT o g 5 0 ( N " | | y = \_ ~ ) D -  
 ( 4 d \* } s t : . ? F o z % - C -  
 ( @ { \_ e C | | L 33 S f { ~ ; { v ^ u ~ + w \  
 5 r K #  
 \ b y c } ; v < ny ) d g n { E 4 o } | S { 3 T u \_ & MOA 5  
 R KH ` A E g A zx V ] < y 6 w YZ Z ` 4 c 5 L \_ y z 3 q : U  
 d Yg g O L m DK t OO Sazzfppr E ; u / - L ? 5 H B - 8 e /  
 d o + \_ { s , L o3 g a C

Q■■■■■r■■■■■A■■>■■■■■tw■■■■■l■■■■■x:■β■)-■=■u■^■■■■■í■rc■■■■■u■3D&■Y■q■■■■■m■■■b■■■\*@■0■■■U;■  
■r■■■#■■■i■■■E■A■\_■d■■■x■■■/■■■\_■■■%■YN■■■■■W■■■e■■■■■n!O■■■Y1■■■hh■Z■VP'c\_■■■KY■■■■■n■■■Q■m■■■■■  
■■■D")■■■■■Asor■■■■■\_■/■■■8y■■■■■Gu■pyP■■■■■X■n!■■■{H■■■N=■■■■■.■■■JCC■■■■■~qx■V■■■h■■■H:■■■■■bT■vl■■■■■  
J■■■■■n8■■■hp■■■■■dy■■■■■8=■z■■■■■:■■■■■\■■■w■ak■c■■■■■|■■■■■S■■■■■^■v■%■■■h■■■!@■■■:l■r■9■■■%■i■■■  
■■■})'■■■■■'■D■■■0■■■■■T■P■■■A■■■a7■■■■■g■&■m■■■hY■■■■■y■■■■■(■■■■■%+3/y■■■N■■■■■=)■■■^■■■■■D■■■A■■■  
>■C?■)■■■■■g■■■■■\*■■■■■w■■■X■■■5■■■i0■■■■■j■■■■■R■■■#g■■■■■||Y■■■■■bz■■■7■■■l■■■■■f■■■■■  
7■q■■■#■2■■■Ma■■■;■@■■■■■TD■■■.■■■;■■■■■\$v■■■■■7■■■■■tW■■■■■R■■■■■:|■■■"■K8■■■5T\_■■■■■l■■■■■  
■k■7■■■Z■V■■■\_■■■■■]■■■<■■■■■|■g^■■■■■U■x■■■~■hm■pt;■■■F■1■■■■■3■e■Ad■■■■■"a■/~■■■■■T?e■H■■■  
■■■\_n■z■■■?■■■■■m<■■■■■^Vk■■■■■g■■■Jy■■■ê■■■'■■■■■|h■■■f■■■■■l■■■;■■■d&)i■R\■f■■■■■\$■u+■■■N■■■  
b■■■■■eu■■■?G■■■■■6■■■■■|■A■■■Y?■■■)■■■c#>7■■■(■c■k^■■■za■%■■■■■H2■■■s■■■  
SSs2\$■■■■■@■3■■■R■L■■■!■■■!■V■■■U■■■]■F■■■■■:■W■■■■■7■■■>■■■7^■■■+■o■■■^G9■■■3■■■■■n;■■■■■{■x(■■■■■  
;■uS■a■nM■di■■■o■■■U■O^■l■m:U■W■g■■■P■c■■■K■Q■■■`■■■G■S■'|H■(■■■>■■■h\$■<■■■■■^■■■■■  
F■■■:  
A■■■:■b■■■#B3a■■■■■#■■■■■  
■■■■■d■x■Ra■■■■■x■■■/■■■j|■■■■■d■TZ■■■■■^\*■■■■■y■■■■■}.■■■:■+■■■?■■■■■P?i2V■■■■■g■Z■■■  
■l■?■■■mw['■■■5■■■v■■■J-OF■■■■■a■■■?S■q'■■■~■7■■■■■U■■■b>■■■K■■■&■■■FZZ■r■■■M,■■■d■X■it/E■■■■■  
Vc#|■■■'■■■g■■■kq■■■[■■■■■R■2■■■■■e\_■■■  
Y■/■■■■■T7x^■■■{■\_■■■j~j\*H■g■■■■■"6■■■■■3■t■■■  
9X'■V■■■:\_■5■■■i■■■■■(■■■■■P■:p■1A■hT■■■■■3■■■x■■■\$■■■e=■■■■■H(■■■■■  
b■■■■■E■■■■■}■■■O■(eq■■■>#3C■■■■■^■+5■~■■■P■■■■■a■|0v■G■sr■P\_■■■m■■■\_+>■■■B■■■6Shz■■■o■■■■■  
■NO■■■■■P?■~a{■Pkt■■■■■/■■■Olcu■■■■■^o■■■O■■■■■O&■■■/■e■■■K■■■■■j■■■šX■k9■■■6■■■P■<■■■■■w■■■;■i■■■  
rq■■■RQ■P■■■■■c■q■>■■■■■r■■■■■}■■■■■X■■■&■■■■■{S■■■{■■■\_^■y6■■■};■■■■■~■■■■■  
\$y@■■■W■J■'■■■^■■■4■■■~■■■■■L■■■■■1■■■Yl[■■■]■M■■■}■q■■■J■■■{■■■■■;■■■us■■■■■D■■■■■6a■■■■■  
.■■■-[■c■■■f[V■w.D}■■■i■W■■■g■K"■A~■■■■■&■■■■■20■■■|3}■■■-■■■,7b■■■■■+■■■■■U■■■■■X■■■■■  
■■■ÇSg■■■■■vP■■■#■■■6■■■■■t■■■<■7{■X■■■■■>■■■}d■■■8■■■  
■■■■■\■■■■■el■■■W\_g■■■+■X■3■■■■■i■■■■■|■■■■■Yg1O\_■■■x8■■■>■■■"r■Sazz■e■■■>■■■l■■■Y■y■■■■■  
■■■}■S■■■■■w!■■■2■■■8■■■ÉD■■■b■0■■■Jm■■■v■■■MF■■■e■■■,x}■B'■?■■■B#■■■■■r■■■■■E■■■(■■■■■|■■■\*{1■■■  
■■■h■■■~r■■■ZK&■■■/-B(F■2/lm■z■■■E/■■■]L■■■A/8■■■-■■■-:■■■peL■■■~Z■■■k■■■s■■■■■\_■■■P■■■■■D■■■  
■■■gK■■■-■■■W■&■■■Pz■V■■■y■■■`■■■■■FQ■■■tp.y■■■■■d■■■;■■■7■■■Gìp■lv■F■ò■■■■■3)■■■■■F&■■■KMh■■■  
■■■J7■■■ks■■■.:Oy■■■}X■h■■■x■■■\*2v■■■p■■■b■■■\_■■■3■■■fB■■■b■Rg■\*■■■■■u■■■m■■■■■j■■■  
f7■P■^■■■\$■■■'■zW■■■■■pq■■■+■■■■■l■■■2■■■!■■■%■■■9■■■h■■■~T■-■■■■■)Q■■■L■■■■■F■`■■■■■<X■■■  
■■■f■■■L■■■d■■■G@■■■#■■■#cP"■■■+■■■■■\■■■5■■■|r~■■■■■(■■■n1EU■■■■■Wp■■■=■■■h■■■,M■■■.L■■■a■V)"X■5■9■7v■■■  
■■■U&■■■{■\_■■■o■■■6■■■yci■■■■■^W■D■■■YL■1■■■)■■■sL■■■R■■■q■■■siq'V■■■pJ■■■,■■■%-^■■■O■■■.+■f■■■M;■■■1■■■  
O■■■rV■b■G■2■■■\*}■■■=■■■2■■■?5T■■■  
|■5■6■■■,■?■■■■■`■■■■■L■■■)■K\_Z■■■.■■■■■cn!■■■■■b■j■■■2■■■■■q■■■■■1Ψ+j■■■j■K■Ko■■■l■■■&■h■■■'■■■0■■■H■■■@■■■  
6:~{■|■■■8■■■Ge■o■■■(r"■F■hC■aL■■■■■?F■■■■■u■■■\_Zhd■■■■■x■■■c■■■,■■■w■■■K■5■E(■/2■m■Li■■■5■  
^■■■■■)/[■■■t■■■Y■■■)7■■■Q■%L■■■u■■■■■!■■■F■■■■■!■■■n■■■■■4\_■■■q%■Wf■■■vq■9■■■M■■■ndf■■■.■■■-A■■■  
■■■■■US■■■m■■■Fa■■■?f■■■`■■■H■■■■■U■■■z■■■FEf■U■■■{■■■■■9■■■F■■■1XS■■■Q■■■\*■■■h■■■!■■■C■5■■■]■■■E■■■  
A■■■,.■■■Z■■■)■■■\_V:Y)■■■v■■■v■■■#■■■F■H■x■■■■■>m■■■\_■■■ZM■k■■■K■Y■■■Y■■■T■■■}■Rv■■■ni■■■8■■■z■■■2■■■8■■■VJ■■■  
■q■■■■■aO■■■■■R■09■VG>■■■F■■■■■K■■■■■u■■■■■b■■■`■■■  
■■■D■■■■■h/■■■af■7■■■(■■■e■■■■■|■■■  
■■■0■■■b■■■N■■■by■pu■T■■■:■■■b!p-■■■@■■■+■■■k}■B■■■[■■■,\*■■■■■@■■■K■P>]&Kl■■■■■d■R=■■■P■■■■■K■eZ■■■  
■■■%■9)M■■■■■-■■■\*r■x■■■~\$■2\*///■■■■■1Z■■■■■KV■■■DbT'■g■■■■■,■■■}■P■sq■\*■■■-■■■?±y■■■%■■■N■U■■■  
endstream  
endobj  
29 0 obj  
<<  
/Length 2705  
/Type /XObject  
/Subtype /Image  
/Width 140  
/Height 140  
/ColorSpace [/ICCBased 118 0 R]  
/SMask 151 0 R  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream■■■  
x■■■r■■■\*■■■■■w■■■■■5■a■■■l■■■/■■■■■;■■■i9%■■■■■~oD■■■■■{■■■■■et■■■x■■■■■\_■■■-K■■■■■?■■■/■■■

■eMf■h■■■/r2■■■■MK■■■■/Z■■■i■■■N■■■>4,■■■v■4]!■■■~■■■■R■0■5)■■■:1a■m■)■ ■■■bTo■■■  
\\jk\*e■■■b■H■■■ja(■\$hVo\*■KZ  
U■■■■OdWw■■■n■RT^■W■■■g■■■H■■■■■■■■:6■ Fb`■)=~3■■■Y■\_!tusQO5■■■D■■■\*■5■x■■■MbT■F■■■■■■■■  
+va■■■U■:■■■■Pb+■■■N■■■fTD■■■S■■■s■tF■r■■■S■■■yv■■■;■■■u■K■■■P■■■'+■■■■9■■■h■■■c\$6\\■■■■■■  
■■■■4■:s■■■ |WB■■■C■U■■■.■■■:■■■:■■■■■■■■^'■■■B■■■n-wc■■■6M■@■■■cNE■■■,'■■■C■■■u■■■#■■■E"■&  
■■■N^■■■■■■k.■■■v■d■■■QH■D■UX|(#■.\\~v2Z"■■■|6#■■■■■■'F■■■wy}■■■h■■■A~■y■,■■■■[■■■{p■H■■■■■■e■  
■0■■■n■■■■■■c■■■  
■E■■■■■■u'■■■-■■■3■■■4■■■rwFi■■■V■.■■■■■■ab\*■■■■■■■■i■■■■■■+##■■■{■■■@oFz■|■■■h■■■z0■■■■|■■■  
■)#Ufp+■■■\\d■■■XO■■■  
■■■■D(■■■Fb■■■■\*|■■■-■■■e■■■■■■j.■g■■■(oE■■■A■■■1«iJ■D■■■■6%;RIG■X@■p■■■Oj■■■■rz■■■■R■■■■B■■■■F  
d■?z(7■■■[K.■■■u■Q■Y■■■Tf■\*H■■■■■■|q■■■Z■■■l■■■}f■■■j■■■■9A■F+■0C■■■(■■■■6■>■[■■■■■■■■  
endstream  
endobj  
30 0 obj  
<<  
/Length 16935  
/Type /XObject  
/Subtype /Image  
/Width 397  
/Height 185  
/ColorSpace /DeviceRGB  
/SMask 152 0 R  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream■  
x■■■]p■Wu■■■■J■0M(0■t■δL■<■■■  
4<■G■6■ t(ã4J■■■■■■<■21|■■■\$.■■■N\\cY■■■■!■■■xc[■c■-?d■e■■■c■■■s■■■■■■■■{w■Z■3■hV■■■t■9■|■■■  
■J8■,■\*  
4■■■8■■■T+■■■,■&■■■A>■+■■■■■■■■|■■■X■ ■■3■XTK5g■p■p5■■■TQ■&■B■■■g■■■■\*~p■4x1■n■■■âUn■YAD  
gr■■■t■]TE■3■■■'■Q■■■■■■■■■#WJ■■■S~■U>!■■■■■■\*F■■■=Mr■■■■+■"■■■(■■■z■■■\$Δ■9■XT■■■JE■■■  
■■■8QQl■■■c■.\*p■■■■■■■#■■■|■■■FF■FF■FF■■■G■■■■5■■■5■■■y1■■■s■■■Db`■■■■■■n=[\_■■■G■6o>■qc  
■p■■■■■■■■k/■■■V-■R■■■+■"j■cw■-■91o-■Jy■L,■■■'■■■■■■L■S1yYAD■■■8■■■■o■■■n■■■J(si■x■■■■■■  
  
■■■q■■■{■■■■■■?■■■Y■■■)x■"■■■■■■■■E■q■■■n~jj■#■■■1■■■\$■■■MH■v■6■■■K■■■iYa■■■^Mt■■■Jz■%.7  
"H■1■■■■■■|:p■-4■■■}■■■EB:3■■■■■■i■~u■]■■■'s,G■■■h0q■'E'■~■&■■■!■■■@[■\*■u■t■■■E■■■P■■■(J4■x>U■■■|■■■  
■4■@[■2K■■■■■■■■,i■■■\\T■!■F)■m:■■■R)■) ■■=■O■<■■■-@■>■■■4■■■0#■■■2■■■■zo=P■■■}■qf■■■E■■■  
/■;■■■#■■■D■■■=■D■■■■8|■i■Yo■w■Z■}■■■jA■■■F;■■■o■■■[N■■■BA0■■■"■0+|■W■■■k■■■E"■>■9■■■\\■■■  
"■■■".■f■■■{■G}■■■\\=A■■■sa■c■T■Qo■,■■■■■■|■■■■■■\_j?L■~■u■q■JY■VB■■■\*■L■■■■■■■■9■4|■■■k  
Bd.v■■■m■■■=■H■{■k■■■n■■■{■K■■■K{■T■■■É■■■7d;3■d>0■■■"■■■Q■■■T■■■■■■■■2■■■■  
■2j■■■'■■■N+■■■Dl■■■w■■■c■D■^■■■IW■■■c■■■h■Gx■■■M■M■■■@■■■\\■■■8■■■■■■■ma■■■\$■32  
"\\■■■=■e■r■=■■■B■V'j1#p■U#■■■;■■■w■■■■■■■■i■)■■■E■■■f-L■M■■■■■■■■\*o■■■JDG■■■'tq■rd■■■T  
7+■■■AP■g■■■■■■■■>■~}■■■u}■■■=■■■C■■|■■■■■■■■■■■■■■■■\_■■o■■■u■■■[■■■■■■3■6o■p■?■■■■■■■■"■<  
■■■)■ZF■a■■■\_■"■0p<j■(■■■■■■■■■■α)■■■■■■■■C=w■■■■2■■■Lm[■■■j■■■{■■■HI■■■S■q■xY■■■N■\*J■#  
■■■■@■■■■■■/|■■■■■■0■■■i7■;■■■LPR`■G>bdFEP■w■(■[■  
R■,j■■■B■|k■ajA■■■-■■■@■=■Y\$R[■■■\$■4■■■>■■■09■■■8■■■o■■■■■■■■■■■■■■■■c■C■■■Q■■■■■■V■!■■■s■■■V#■■■  
"D■■■G■10■■■s■■■Y■■■■■■X"■F■■■GtWN■q■>■1■3\*■■■~■■■h■■■■■■-■\*■■■f■■■|■■■G:■■■2■5■■■]w■0)  
■■■■■■5(■■■■■■UW■■■\*b■[U@X■@■■■G■ba■■■ ■<q■■■\\d■■■`]■■■4■■■"4■■■|■■■Y■@■#zg■■■Mp■■■z■■■  
:n■■■ ■■■:r■P■y■■■■■■j■■■:■■■K■■/■\_9■■■-■■■m■s■P■■■:&aJ]■■■S■■■`■!■1'■■■■[Wj■■■a■#■■■}■q■■■}■■■  
■x■■■`■■■■5■SHA■■■(■■■5e■■■■■■A■■■<■■■■■■R■■■Q4Tr■■/■■J■■■U.■:G6b"■7;<■EKV■■■\*■0■D  
■■■m■iYx■■■5zjInd■■■k■D■z■,S■=■■■■■■oWz■k■K■■■)+■4 ■b■od■■■!■m■■■■■■■■"■■■0■V~■9Q■f■D ■|■e■=■  
■■■;■■■■■■t■■■#■■■{"\*Z■■■■z■\*s■■■'■■■h■■■')■e,■■■■Lk■z■8■■■];p■~■u■■■@A■■■r■]gvx■■■■■■N■■■8  
■■■■}■a■■■E■■■■■■#C[■■■■■■~S■■■G■■■■b■m■■■T■&■■■|■■■\\■■■!■M■d■■■■■■  
"RNBGZ■■■RM:■■■d■v9/■jk■3■■■c■D■;w■■■Q■L■■■■G■C■/x-■+e■■■!■■■■■■fG■T■■■■■■N■■■'Y■■■■■■H  
B)■n■■■&■■■&-■)■■■■\*■!■■■t■■■m■■■■■■v■■■M■■■■z■■■■■■!■■■■@A■M\_■■■L■h■i■■■■■■6|■75k■\*W■■■>  
■■■p■Q■■■W■N■)BY■■■■■■■■]■h■■■D■■■■■■k■■■B)■■■"■■■sZA■■■"&■■■i>■47::iS■9■A■J\*H■B■0■■■T■■■O  
■!■■■`  
■D■■■R■2■BS■■■}■Z■■■3■■■j■■■Dsc;■■■]■■■fe!A■■■I5■■■■■■L■■■V■!■■■{■■■■■■■■■■■■■■zV■■■■■■T■■■■  
"H■BC■■■<■■■■■■■■^■:■Sa■,■~■lg■A■■■■■■KK@■■■U■E"■■■s■■■gd■-■Jje■■■VAT■ajB■■■■■■■■0}■u■B%■

R██:███g\████@███w███G██E5███(?)E5███\x█B█])+████████mv████████\_█  
█████e███r███"███ [5x█n███a(█p███u█)UX+███B█DU█UY███>8███s.██████!2███A█,█T█@█\*█DL███t██████F███  
████0███=███Z███████`o█6█S███H5███?h█J███████`██████O██████O█████9!█L██████.█Y██████}FF█s███  
S███v,███ty██████+███t███P███████w█P█`V█ ███^z█i███████o███████\*█████Hx█m█████████&█6█Z███kq█÷█fdx█V7L███  
███{█=███&█ ████████02<█S█"████S█e█████:█z█  
Zpv██████)Bp██████tZ█x█1█'█&███4█L&███gjp█'p`█d█@█████%█j███/█}z███b█R-█'sF███t█C█  
██████Db██████\*█T███T████gF████gffGG█z{Gs███\_████N|███G████7████w██████}████o████?███████████:█e█  
███████`███%[█████\*L5█q█3██████c██████(-███zZ█/██████E]███████████e████75█/███N███\$@VJ███g████lhw/j>███  
█████^V███}c/█████!,D~█  
  
█████'█JD█rp█J███████Fc█?█9(█G\*█████s█?█n██████?████x█;Y█F███o█0U█j███████|████j██████T6█~█U)████T&█  
a█d████████9███/██████/█████:6█Q████)████w[[]S█i█i████1█X███N█R█5█]███Vf██████mA█████n████>███yR█'███C█  
███<█|███████████\*█D█L1███Uf█2r███J███>X███!███~Kl█████%█M███vth███████3-█ib█,███}7███\*███rX███3g2███>███  
███A█\*███\$h█6█]DS█p█b█D=███████3██████h█D█x███Y█\*AD███N█S9█S1?█u████5██████H█(t████q]█nP7███EG█  
E████vu8Y█{███t███GY7█d)███ae█"███C.███SK█(███|~█{████f9█d█j███#█s█(██████:5█9███>d█[█j███B███Ua█U████  
  
███K█J███h#███k█\@█F█1██████████R███w█W██████t█L████nd<███S████nh0█+█████;███[███a5█████w█Q████,3███  
█Q█e███4w███k█e███████████'█m███02W@Bt█\_███'███}███K███|;>A#███y#█d███B████.█q███j███YC█1!-█|+█u█  
█\████C█!a█?^███████████<█g<█[███████████IYh███+}█e█8█U█i7}█T███?█e,LU███████████6███z███Q█>!█B%█  
███X:W█|███████IH█[oT█s███^███████████t█(r███UT█J███}███H█U█ █0█f████V█N~█{████f}█b!███████  
█|u████y███tb███nT█ ███E[█n██████2;█J███-[XR███sj███████████H{h/█████n█R]██████0i████v███A|K████fo█\*\_█  
███S█},█/███\*4  
Z7█v|█"m█M█p██████8█Li████S█P████/}6\*████VU#██████████B████)█E████F██████████KA█3███z███S████  
██████2███X|Ry███s███c███i███3███Z█ █████^+████uuf█7███████████My███M█A0%███k█\█&██████:█k████  
e█z███t█K;w███y███V███4██████████)█e██████K█h███████G{█R███a███q███a███6V█e███Sc██████3T}█F███  
█T█qf████L██████!███;█Ef████d█\█P█,qC█,███4█G██████i█%████]███wA███J███Xl'n███████^████N#S8███o███  
a██████████}███U█T█g███\_v██████O█k███Nc██████████Wh█P███CE███D███████J█2███.███2█S^OQm███z█5██████  
h█0V███9█i█v███████+█████&███e███yl█2███z`█cP███████████K█=!)`[J=g███Y███Q██████W███c███%-███7███B█|█  
r█(███\*█████\$█8{███3█7^|██████ kz`█B\*u███?x█U███i,f█N███~█(\*█B█i██████g███-M█P1&█████████|██████████ca█  
█jo█(█  
█)a█[!█\$██████████S█R█~███████████\_█[███`r█L████  
██████R███i/D█M███6>█`█b███k█9███████\_███|c█h{██████████O██████████=;███7███3███5█gu███M█████u}█SY███Q███  
l5█jy█████-█)█v█n█E█!███:███r█S█3CC█+█`█V█1o  
O███&g█████)Z' M5!█p█\*+K=█ZCt███~p█}███VO███ ███w██████e█0███u███████████m███Q██████L███z███M██████s███  
███f█a█K█)███k███Um██████████u█G%███-d███Fhb█nu███@tH█\[███:Z,M█^n███i█Q█6)███c███\_███████(a███K█)███  
█e██████X██████<K/eLX███████L██████u███&█#███9@███|███|███|>██████F█████)V██████(}███████(\_███tH███G█&█  
█Jb█|█)c0EP███M█K█████:█+█V███████:███████!XG█\*7███"o████L\_B█-███p███a█~███q#█;███g!;TOW██████M█  
███Z█b#███+███JM███6███e███(███=█Y███a██████"███;██████RK███i█^█|>l█8@███[███.█p███████████`██████2UM█  
█i=txcK█%██████(███IY  
>F█████"█&█j`███V███a███████>5███z███jU█Z███&███Y█^W:u[█g███████>i5)███"██████████U█S█3█gp████B███████  
█ █████0█M.o█#███b███N██████y█n█R█=D5█k███████████;█u;███{#L███A███b███████████><^█`███B\*█8█[El█]1█  
aT█a\*███m███@[█v███g███████████'███hV█`███?+VKN:█A█Fkk█2█ep█d███████████N███c█)?v██████do███████%P<███r█  
███kAx█E>███)r<(███  
█i█(███c██████AH████T████F███z███████████'███A█rP███████████"█&V4███P█v███Q███y███████Y███&b\█8███████  
███^.███D█\p}██████U████A██████s██████r9X███A=j7A=██████^█D█`TP███v█.████0hu████br1t███|████u███P███H█  
F██████J███a]█0█-███R███~███c█Z█D█h  
█U███h███Er\*█E7█y███████:███)P████p'j!███^e███████<b%DY█Q█\_████E█z?Xm█n█J███████v███-███████████(.  
afA█e`██████F███████-██████[███@█`█e█g█<████0███L█\*███p█g█L]W15███xP███|█.███q███-B\*███D█])B=f█+jX██████  
███t█T█<██████\_█R█`~██████8\_█  
@███]███  
███R██████████A████2XZ>███2 M███Y███?███F██████████y█2███n███████████Y█eu███:███sv███us███j███V█ █K\*███2<█  
a██████A███]████U8S█X███  
███ <'███V██████████o███.h███^█d█R'████7x%█\████  
█A███-!██████hJQ███\$a██████████x███st██████████Xw█|████i█W███Sm█bl█2H-██████████|█>Z█/B████.}m██████████e███  
███JN9███&Y███`m██████t█K██████m|█P█ ███%-█ █-█J1DR█;:'+0k#kcE███(|(█S███5[n█e6-█T█'███X█1zX██████████  
{█;██████████,e█8█Z███)██████████,Y██████a█]███n███{█0`█z██████████n███]██████T█9█%K█V█-Dv██████t  
█████|███uP█^v███ruJ█d███ █b███C\*|█Jw███~███|M███-███e███{█,Y  
!u█████`███k█f█lsl██████Vog███e███(███Pi███A<███Q█57█'██████b███%K█Bh!███R█J█^███████][██████████,Y██████t███  
r██████&███ #█j█)m████K█CU█R███k:██████t█QVK█,Y

```

endstream
endobj
31 0 obj
<<
/Length 15392
/Type /XObject
/Subtype /Image
/Width 369
/Height 121
/ColorSpace /DeviceRGB
/SMask 153 0 R
/BitsPerComponent 8
/Filter /FlateDecode
>>
stream
x[ ]t]U>pf`A EF Q *k qFD F # * )u|E PKC 8 Wn 7i h y4 6
L kQ d N / 1Tg K V t pd q q
2Wp YxIF { :G ;M| ke :l W U UV @E d. v _a 4
8UiaE * Ou , ( " 6 m % 0G . $ 33 \bf&q X|tt c { Ha0 &6 \bn.5= _
o E d2 N V ! : ZX X > $ ~ " I * ! N K a b FT o H R x < ' \4 NOM % ñ C
g " np ^ ŸJU -Z % A h y a $ + v PJMO . X F -2 V j ^ p ^ v 2 ^ @
l i S \ * ( ) - F " Ep $ Vy + N ? K ) E y ^ [ p O ~ uv 9 O0 / z W y [Z * e / ! " œ M
Q & a 8 : / | " p ? e V R e } } uu > ; 3 % 2 $ G 9 ^ F J S q d Zr
V s p a 6 V d Jy M F / 9 * d h ! 5 J ~ J 868 > c A E ' 4 g / EU 9 . + Gn ?
) T BGP = 5 rw bGG } = ~ ho g 1 Y s Qy - 2 (t_POQ > y y L
# n , * & ? pnm L M D 9 ! & mW _ m # V L v s $ > 2bi d < G = { 9 j
m
~ u 9 j y = ry S C CJ & r ^ N 82 c & > H _ m | o } L {
i W ~ k N / d ^ TS k Z 2 r 4 V l j c 1 M V G j j > v 7 M 8 v P .
j z G s * P ] R k i o c s p [ VPTa / g _ L * _ j 5 [ x V 9 r
K 2 k 9 ' 5 x 1 g P 5 E ! Q ( \ R c R G _ U ! @ z 0 E $ A ? ; s b
) pp HR - c _ L z 9 - v p u u t S 7 & t SO 5 v AY f LB d . vh [ V | H & v a R
UT pg R G V P R 9 X > n L m w c m : g < h W | C k
T A C H RO y ? G Wa = l 6 p y ( , | j ; $ ) 6 < l d mf ( q LCC
dl Z 2 \ Y ) , ! m ! V * 1 7 < v < G T q d _ 5 - N ^ 0 j ] n W . C < J F l l ' E
_ RF ' sf Lc E " 4 X l ) c q % N n & / ( q d q Z Sf UK ; VU R P
! J w S + B / 0 h G s 7 [ 0 Y T $ 0 ' j ! 0 M n [ r X 6 BK o d : o
uu Cs d e 7 | ~ ze y 9 V > q h - \ . X ( " Ma @
i 7 D E H P 9 V ? 8 x b 3 N 7 u AH f E ; L & " N = w 4
b
a C j w - E 0 r # x " ` U * , ~ I Z 1 + ) KK T * ? x 0 q ; \ K % ( ++ 159 A Z
) 1 \ u * / { QN = R P 4 z X y | ; f . ( ! A , q + l / d ) G | Q # > 9 a
Y > > | P - 1 > . v ? . > U 4 n } 55 T j * | w O G { p
Rss T = b < ? m g r Y Fl : l % r " l 6 4 q s [ ^ ) DM r [ 8 N
o Ubr ; a ! ! % p Y ) Jb @ sq 8 Z ' k K Epd E y ) ( < o ^
$ ~ S y A H G & k k - M s h / j 3 | $ I - 7 h 5 J y - n n Y : K ! b 2
Kp 5 o T 7 8 # n X xm 9 T h T S % i L , ^ ~ 9 W ) / [ 8 W . T e D
` m MG o Z Y xm Z * 7 + ~ τ K 0 r W R ^ ' g $ Mo 2 V
M W ) p Xtp h v ^ F 5 @ B oa ` ' gh L w \ > $ i [ h 8 t F
V 2 g n X # 3 v 7 $ i % s j d p E } OZ % i . 6 2 t A z X JV
a JD f W 6 P # > @ ` | j 4 V my ;
X NKK ( l o W v r x 5 [ 6 b / } Jrz O : h 5 m
K c + K 1 G ^ x @ J l ) 2 P ! ^ R ; w ] s P , ec C
C ^ r w / 4 B L < ' 6 e QB % N 0 @ 9 L ! 3 s c ID J ,
G F # J . " H x ! HW K l 4 pa F N J f r d ; : HT r s J W
) 3 7 iai + @ n TU 7 Ys j 0 V %
0 & vi c E KN | z Z T @ n - uxd | ~ h W 0 mp g & ky f ( : - 2 P ` " pz

```

██X██NA██)x███%███DN)██o███V|███.██A██D███h9rr██ Tl██b9██X██h██8Z██`███\$██w███ra]███x  
?██/z███O███H██O;\$██X██(███a███K\4  
██U███V███.███l8███l███j███Dn██T|███!██-u███7G██mk4T:Z███)i███\$███N██+██-███V5██z{a███p███1███  
███a██~NGw███g██c;vp██x██U███"██(2e=sD██U███"██zZ███p███7v███f███'r██@███.███#███  
███!███e███EC███0:███xd███\$███N███4███R(███T3███Z███)██s██P██k██%███d███%██C███  
██8███yV███K███)██!(<Y)1███x███f|███hFo███4███^4███L██Bj██t███5███2███4H██u:███o███LK{d███4███#███  
██{███YF███f)p███[██Q███?q^███#███s███s███2=██U!███X███PI███}███j███%███Y███j.Z███  
███5███S███+███A  
vN███!09███K███b|███-███d███l███R███  
██,██2███l\*]███H███B  
██Nb███<██[███}██C██Zc+███[g██,██Y██a███"  
)███k███L███>███M███Z███J███-██6███l9███Q███g3███d0███H███G██,███j███b███j███a███M6███9!███:███h███")███N███'███k███8███  
endstream  
endobj  
32 0 obj  
<<  
/Length 24046  
/Type /XObject  
/Subtype /Image  
/Width 450  
/Height 188  
/ColorSpace /DeviceRGB  
/SMask 154 0 R  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream███  
x███}███xeU███h███QQl███hm███OQi███[███>q███  
███EZT███<███(███-███5M███C███4███P███]███2███{███SIUjHU%5d███Rle███^███>███;███8███;\_███{███k███y███F@███  
(███r███l███W@███a███  
6C███R███3███(███FZ███l███j&███[███+███t███xS1███L███6███JD███J███E███MHe███"███DiiQy███U███s███;x███L███  
2N███)███6███fQZ███k███)███p███wD███<███YVNvpF███b███Ba███y███m███  
███.███M███'8███P███')?███]███e███Z███~:███cM1v███&C███J|4j███Yl███c███N███"███?███@U███/███H███  
███!███4███#a███Vv███\$███7!███q)███"███|███xaG███q███b███p███  
███E███a███G███!███9███|███=#███"███tA███p███!███o███M███%███N███Q███"███#███k███/LÈ[o███h███.███x███?███!███%6.███(███T███%███  
███P███0███2███Tfd\$███o███7███dE███F███2███>███<███  
A███J███X███b███Z███TWwZdd███4███(███  
███</███3███O███b███~███Zv███^███/███@███-a███\*███+███CM███3███  
███y███P███B<███"███dFGg███'███|3███E0███\*███j███%"███<:███  
███-███H███l6;<<███Hl███,6███Wa███6t███Y███r~yg███<f.███{███Z███:y███))M███Q███f███xA███U███  
,███#███LEx1███{███&███wm███"]+!Y███?███N^███(███&███^███h\$███"███Q███%███P███N███:███#███H███y███+███D███  
███\$g███dA███  
███[/███\$███yCr███4███d!███%███j███2███\w███9Qi+███>███M███\*███R███\*███8███:8e███j███F███  
███<███J███o8███\███)███b███nrw@U███/███}:███cv███e███^███R███Bu███z\*███p███D███jD███GP███m███&███2███  
███U███f███={R███B███g███W!███\$███J███BM███!TP!███u███a███S███z███Q6[^███U███Q███Q███,███  
███)███|███a███H███B███1███5███H███J███{███BelqL/5███MO███bv███~D███+███%███Z███6███%███  
███1███E███i███U███seWG███/███m███b███C███5███&&RB███u███j███\[(G███W███q███\$███7A███|███  
███K.███Ψ███&:███]███N███%███e███:███g███g███a███"███A███&███m███&███P███B███{███r███TGG███  
███\_███X1███5███j███y███v███,███P███Fk███=9███\*███x███Y███Q███L███S███D███o███d███r███  
2███!███Se-r███u███O███1=███u███u███1███2███8███;███H███cMt███P███<9███\n███g███P███H<███  
i███-███Ç███H███hQ███!d8███z███V███\*███#███W███8███d███c███>███\_███u███\_███=███a███QG███K███z███t███  
^███(███Y███dsAn███|███b███p███\*███N███<███X███yD███1███b███6n███QR███hvt███-1\*]███sg███u███J███  
5███k███>███|y███n███Rf███w-███^███Z███{███`███\███NR███(  
███'███/███D███D{███#███V1███\_███O~███  
███;███=███2███F███FQ███`███r███o███μ0███v███^███F███nh███\_███K███z███O███n███(███D███1███al███  
███nRj███|███-!███Y███BcK███c███>███nB+███:███h███u███7███~███"███ML4███?ebv███\$███!0n███:███C███\*███tc███  
███;███.)███1███r███"███M███\*███c███1███\$███&Rl███:███T#Sf███/███n███(\*███;███7o███U███X███z8V███l███S███X███0███>███)███B███  
███py███X███@███s███jh███q███]███F███c███W███=███2U@███u███P███oG███"███]███k███02p███%███\*███~Q~uT███(███K███'███V███  
███n███w███+███K███2PKf[███=███X███Mvt███\*███^███6███qj9).#███1+n███q███m███b███R███/███k███A███l6u███)1███]

7t05J(,F^Jj}{.O#(L=I  
E5o`[3`/r6s.;nVO]E OQ4m&[>7>>}'6n7>UqC2n  
M\mF=;qq:1Wa\vf^PTK^9)N K/%([q]4  
v)I{gH%)pK al\![zGQo>|D T)iq O KJNnE#  
-MYm\TVeBMssZk?vly%a@x]PT<T00:f)r  
0-H!@kboYQ  
v. \_:MM,ybbyYtts:b"Ar(n>(d-BH Uj)iiEgeu[W  
E=iiU,o\hRjnTguL%XRyELa(r/yde<(G u7~  
gi<B7\*\*ddSWp]');i<x+R&C~[f++s2|5T++5  
ss(yEKf(hYyK\_1'GWoT  
5Q<w2A]G?rJ6sAQ]\*GSm1 t}k4K\*iS>K\%I5^\_3L  
tu)S6\#z]~#2f dCz ulm\$w{\_(!!f|a|sy|wwW G  
-la2~Zqm!|loGi@Q"NXZnpt4S;dd7)3<e  
rP\*;U3PuTS"nQuE,qvuvG[f4~7qÅ  
=cO D M&X-?Q1A!(i kpmk ee|sK?ar(dD=\$h<  
=XF~Z jssYf(<<)(F9fU.iQ|\_|iiy:zJ"kk5Yg+pp  
|wyygw\re~\qG]wff[Gzo g+\_v[q  
(  
a0OF:~D W10(iitr rC al K1"  
L;hd0/Z4)K V-zZ^x)R(.W^T"%:  
g|/F>\$t.:u moKx  
{Z>|P7K F\_4?;V<K2wgg7/[aF6HlgE[%wv 5~{-<bY  
D t<x)\$v cJtZ'uJR&(E'w u|1u0UMp5M72 W@p3%%a  
L9Z>f n x SA)]r?t=;w' sm'NI B d'a[WM!~|:-l  
l:):ajv9\*j,Z%e\!8t D P\_H>M8(9R  
ELa3=d\_n|0;;2|:++qp-4bH4lojz b UNS,gl(A t{  
Gwp+  
<"k^CtQ!|P d1 J\_CrYD e]P{>y)R~iG5)xN  
+3J!tR8?=b w`τ\$A\_rW'fà{V.d d>;8R h4  
B M{z}) (S!],DG /YO1p~h^3/L?1`J3  
w w HQ2f~2F|3  
s~Xggw]{-6,BfH4qc(z)H.pJ Dg90P R O h>vy>|z  
A(3B6;O4jP x)U;\_0\_sj i5a\_!3Lxt3g i  
a k AxzD"Q"v MI-%(1)gQ-i~r q# /i9.t<N m K  
v R^=(0zY3z z&"&PFzJ.q U E3>%N hb j8d%O;  
? NS z w Vt &4%5b Z+{; ,y d35L]""W/ k  
2!e /&c R z+ E j(wR O a z U>)79b x q&q g rRm ye  
L R S %n C 0 tw' o ll Y a "W # S ~. \BvR(E J R C  
JZ6YW.mF\&-s)b&8.(\$f"0I SN Q  
=f{,L p^"Z k o z 679w \XgB(5s R`9(+`G Q/&  
t W A: ~8i i o W 7Rs 9?L -'r ] b C/ P Ba #! % t  
z L 4j; lv, u: &xU ":\*) \$ | 2 T E EA h & \$} R >j  
J~B&5 E S G i f F c g?} W ~:g g X p} U |2  
x! P" j c sc O>l n, B n d) N p \$ 4R? .& K 2 1&k # 1G (.w - E 4  
U g O x x o x. E G < <% < @ c J S# [IT  
,v (Ym C ?] F 9 & \$ # % } ; d ' ' |. ' b b 5VLa t e'd 7  
Q H M m WI O2 t m0 el f. ) = l"jd:W | IN5 8 ( o  
 , J p % \$ a 7 DG > \ 8 G N H W t | V) % " : 3u 9 R 4 Ha  
B 9 2 \$ s 9 e % Q ^ h (NnF V & D 1 % J \ R ! C k Du R r { ? J  
' E P k S Q n ) & p 9 \$ Q > < q 4 N - r q  
y , U s H n } vx CX N ] d g h \ h S , ^ R N 1 v ) P Et h H J ! T i' B | } |  
R O C K C F o f | > 9 l O ( x \_ ~ N % 7 H x a ~ 8 o p 8 M %  
s z 2 6 Q @ ti 8 z O j M 6 V 7 bs A / b \$ m . \ i / ~ C ^ ] P  
5 | Q E # ; GB ^ V V d < d l : M k + G ` u 9 ] n  
a < - y 4 ' 9 s b O A G e ~ e 2 f # d FFx r  
) k % Y Z > ^ # u LX 2 / Y R M W O k F V K H \ o \* < O K G q v  
 = T Z d . W ^ F x ? / y s l } V s m Q Q } - b . a V 4 y K # [ \$ P  
 L 2 h W m F 6 N G ^ R ! K PUT t ? ( G - 3 = ) z . (   
 n O ( \$ h a V 9 - # J / < | m R ; BW @ 5 @ G H q H \* q

```

#####Q#2#####V/##,##!####AZ####9##H##'####]M#G#o##~#f#Jwh###8#(#####
(2#GQ###G2p#t###3###G#O#(
#####P@UNJ###F=####B#7##!2#####B###!T958####
h#2#####C3[H####>c#~###M###C>####
## #u#####C#####c-n###]#####
hl####:##M#8#r<####QoWA###A#####P@###Q_t#"####j#x#o###O#####P@G#qu#i######Z##v#N#####(####&R
4####:j#(#####9####@h@##t###;#:#>#E#I###;#K###6###P@G%qp###j1###A#####P@G#)#|y#####
#sB#NO#(####:(#.
(###z#Q#####P@#(####
(###
(###
(###
(###
(###
(###
(###
(###
(###
(###
(###
(###
(###
(###
(###
(###
(###
(#####?#k#d#
endstream
endobj
33 0 obj
<<
/Length 13438
/Type /XObject
/Subtype /Image
/Width 281
/Height 168
/ColorSpace /DeviceRGB
/SMask 155 0 R
/BitsPerComponent 8
/Filter /FlateDecode
>>
stream#
x###}{l##u###M#4####p#####N
####45#N#&###)`#N
)####u#1##&#d[####c8####E#####i\?##".####(Q\rwggw#SeZ#####%#####(R#####{s#9w#C####=#Kr#;#|##)###
+|v#`###YV}#####U#Zt###R-T###,#n#f%QH#0#,@###C,!###W###+###Y###,#Y#####jN#####:##s#_#####xW7#r#9%-
wV###a#c
#F####^###WI_#O####c#C#-#_#S#F####&%-#{^#r#Z#B$#$#$w#####
#9YC2FL!#4XV###@Q#}.###.#R#####B####+####V# u#@!#L###%$clA#####o#A###^#JkhB
#4#####a###Y###u{
#B#####IQ3Nb#>###~#+###`###l#####X#####p9~kAf###b"th[###$###J####5#####N####,+mY###y}###E?#####
#Utu####2#1##+ON#y#####+T#^###O###K#####8uq###V#RW#]###"###]/6###A+###8#####;#####Q#f#####W
###Q#b###Z###cqgg###3kYY#####.#om###&#F#^#u^#P2#####T#####}#G#_E###,#####'###9#9#3#####}yhH#
###Z#wn#+#####Y#:######.###r#<"###hRw#sX#dfM#Z###/##Bs#f###P#?Lk#/9#R&####H#43=###;#####;#h#
#####=#/#/###ow#J#fD#4l#VJ<#5###&xeC###z#*_###/w###)#####E###Md#:#0####~#hrtt#7?y#x#^#']#XKV#####
<D:k#4####9#####y-####,\#}#k####N#Kc4#{wyA######{y###y-l#
#####m"#####w###WB###3#####`#####V###B#C#g#V###e###Y3#_###u####,#^^Y#####H#16#####D#
#J#####[###A#####CS###G#iu#####h#4#####X###^#[###4#####`#t#####/##B#####
#####|#bdu#####f#4#####b#&#####w#A#`#####H#P#w#####m#.######|###P###5###R#
#####6zD###()#####U#C#7'T#:#:_*###J(i6####-/#####1#####~###'#####O?#####bsZ#)4eu#####}<c### #K###?###/
LE#

```



%■M■^χ■K■P■k■H]■-4!^■fQi4■(■%■#&■\_■U!■"■c%Nt■1m^■X■hY/k(■56&■J:■8  
"X■,K■S■{■T■H=E■40\■t%■\$■CC;~■8■X■F■G■\$■#,■\*MW■cD4■B'  
%■w■NQ■|■dd■x■d■+■M%■1'■R■ee■@■GM■PZD■NQ■%■o  
■Kw■pS■T■r■;■"l■R■Q■=■p@\_■2W■:l■|■{■B■8■N■T■Leaoj■4■R■F@  
■\*■v■z■w■d■!■iA■\$■d■H}}■Bx■w;■2]■J■k■\_■\■u■\_F■^χv0■U'(-■k■g■W)0  
■jv■M■9■kg■(■J■'■e■5J■5■A■-■u■W■&l■P■b■v■z■E1■B■Z■P■]■xq  
A■)■\$■3■%■x■"■X■v■9■pa■-■+■om■i■p■Q■Je(■]■%;&(■p  
■6\8{6■|■8■S■K■0■WoL■7■&w■R■O■v■fc■?■|■~£■\$U  
■Y■,■'■;■\■"■s■&■x■:s■[■]r■8~G■b■W■H■7■f>■m■HC7QJ■F■mu\_■O■M!  
Zfh■J■N■w■L■N■N■^■V■s■MUljJ■n]■|■J■P■qA  
■Xf■zO■/■XZ■EC(■:5■G■n■/■;■im■)■%■<■K■J}>■B■+■ay\*■p■xP\*■w=[  
■]■5■]6■r■Do■H■8■u■k■m■>Z\*]■)■)'■}}■2?/qd■~■'■(e■q■B■M■  
■Xja■r■E■-■8■2!■C■W#.■-k:a■^■:■\$G■ywt■g■E+■\$■)V■;■[G:u■8  
■#■x■v~■Y■s]■dr;■-,c■t■e■(~■]■R'■K  
■NAT&'w■r■q■}■u■\*B■.■-■y]j!■^F■C■2[(klT■p`■kZ■r■#%■w■4■>^  
R■^T■^■ik■q■h■k■1■5Y■n`■,m■z■zA?■X■6R■Vh<,■\$\*ζ■4■>3■^■\_■  
J■2■o;o■N■:■<d■w■J■t■3■)■s■~■|■s■C■A■Y■A■f■['■S■  
)}[■b■.■:■O■Dr3■V%■w■U■5■-  
■4L■(■>■.■GeN■e~■/■#■X■o■z■&■J■|■'■\*■u■7[[■6%  
■h"■De&■>h■  
#■|3■jH@Xd■Z■<■?■Z■A■S■^■\_■|■f■m■5F■z■b■5■bJ■b■  
@S3■d■2■@■`{W■qd■a■'■X■x?■H■#b3■K■RM■%P■rn8^U:xr■,(j■A■C^L■s  
■y■:■ESJ■5■,+0'-■An■7zw2TG■b■C■n■|r■Y■Ò■M■dF■i■a■J■h■h-X■  
■d!}■r■}■0■4■{24■n■'P■d■@■,■)■dA■:&@9^■+■u■í08  
n■h■  
#■K■S\$■<■+d■:■;g&)■Xi■RzEI■!-■0`■@■c■H■&7%■:■D■:BJ■<■b■-p■h■s■  
■2^@■Ó■S■d■z, @ #X■S■V-■Bo■k■~■BS■V■b6■f  
■KD%@■)Y■J~■TG■OB■5■)■e■P;■\_■3■GU■&■LD■i■8e■  
■U■],■eJQ■h■<:■Q■s■0a?■Y/?■=■#d■  
■~■x■dT■BmXiQ!/■=■@■V■y]■(■Z■aO8■|■l=f{■7■V■#Q|■G■^cDN  
■(■K■e■G■d■C+■jh■9■i■5■"■k■f0■{■0■vo;■(■S■/■Ev■z■J`■al■J;■  
■y\*■N■B5■\*■#js■%X,■8■E■  
■J■L)■Ms■(T-^d■Cu■e  
■|-■q%■+■')■\1■Wp■.■8■Z■[■P■-■3`■6■G■(\$k■0■v■|■.■  
■~■T■[■^■\■EW■J■Y■W■\]■%■Rt■t■t)■N■jT■F5■Q■jT■F5■Q■jT■F5■Q■jT  
endstream  
endobj  
34 0 obj  
<<  
/Length 20743  
/Type /XObject  
/Subtype /Image  
/Width 418  
/Height 187  
/ColorSpace /DeviceRGB  
/SMask 156 0 R  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream■  
x■)■p%guf■866!'`■q■|■"■!l6!■P■(■6■^6KR\$■B0■0`■c■h■}■4#{■yif4o■  
■QnF■%■z■~■z■h■V■o■IT■R■o■z■E■v  
■C■m^o:+&e■W0■^H2■-X}■(H■w■~■-i■E■ø■Q■q#■~~"3■7  
■)■j■o■V■-■L8■K■v■\$■#■b>■|■C`■F.■V<■6■[■#q■.<■U■)■2  
■}■neq■7~■?■P|■'■  
G4?4■,■7fbS■c-OO■~■I-■P■C■2`■!nj\*■n■c\*t■e■5~s■r■\*r■t■]s■c  
■y4#3■|■02b■~■w■Fs■VM■?L■9b■"■G9■4W■8|x■'■O■:~|■k■/■  
■s■\*DEN■X1■6■U3■81■w■+■P■U■b5W■?■Ay  
3■&■-X■v■=■A■i■;■Q■a1a8■U■j■e%■

■Y|/■qSvm■J■■■;■"■■■\_■■■YR■(■h■v■■)W;(■T■■■px■■■~■~qY■6A■■■4■■■L■■■#■■■m■■■M\_■h■■■  
■■■G9■;■■■<■■■My■■■>\$F)■h■■■6■Pm■■■/■■■[■■■ ■|■■■!■■■i■[o]■■■,t■■■O■■■sjS\■■■G■■■dC■■■k■■■  
@\*o■c■u■e■■■9■■■ ■■■FN<■■■\*■A■T■Gn■[a■■■}0■R■■■~4■■■\$xA■■■q■■■{g■■■ ■■■fL\_7■C■4■■■  
■■■@q■T■■■ ■■■?■s■L■qByf■qY■■■4■q■OZ■■■ ■■■o■■■IG■U■■■C'■■■3■A■■■?■■■^■■■T■■■uzl■d■■■  
■■■j■■■m■■■W■■■l1n3G■■■w■b■B■r■t■.W■■■ ■■■ ■■■?a■■■ ■■■S■■■Q'p■h■r■■■[■■■ ■■■ncK■q■■■(W■■■>■■■  
■b){■Bt■■■}■■■ ■■■JJ■3V■■■X■P■■■ ■■■\*■Beqq|■■■ ■■■-■{■■■A■■■!■S■B■\■■■sU■■■ ■■■.■■■X■■■  
■■■+i■B9T@■■■@■P■Zs■Je■/■R■■■s■■■ ■■■i\$■■■;■R■e:wV■■■f■■■?■■■Q■V'■■■q■■■m■■■3■c)■■■)■■■K■  
■5{■■■"■E-E  
■■■ ■■■n■w%■■■ ■■■uj■C■■■+■m■■■Z■■■o■MH■■■f■■■C■f■■■ ■■■~■p|M■c■■■ÇK■■■ ■■■^■■■ ■■■k■■■  
e■■■ ■■■/|■{■■■D■■■ ■■■j■■■nlt■■■Pn■'9■■■f■■■8"■■■;■  
■■■h■■■+8:■■■?■w■v■9■■■6■Jl■■■G■■■W■■■:■■■n{■■■ ■■■\_■zPN■+■z■&■ ■■■9■■■RO■]■V■■■:■■■6l■■■.■■■  
■■■ ■■■B;■s■X2■NO■l■■■)■■■ ■■■V■■■%■ftZ■R■Jzi2:iy■■■76■■■X■■■rR■[■x■■■]t■■■?H■s■■■k■1■■■[B■■■  
■fD■■■ ■■■b■■■1cD■■■8■■■#■k9{■■■ ■■■yz■■■o■■■8y■■■ ■■■c/■smm!)fP■■■mJ■ ■■6Z■1■■■)i■|■  
+■■■b+■■■U@■■■+■■■ ■■■W■A■z■|■M7■0■■■C■S■■■F3■(■,u■■■4l■L\$8■■■/X■■■/|!+d■■■Vi■  
■■■/■■■ ■■■q■■■  
A<■A■Z■pXJC\_&xK■■■5■■■w■■■ ■■■w■■■s?G■■■nh■■■X■■■b■■■W■f)■'V■3■■■s■■■9■v■9■aS■■■ ■■■m■■■c■■■  
■■■<■L■■■ ■■■?■0■■■`■■■O=■■■Y!■■■g9H=■;■g`ê■■■F■■■ ■■■u■ND■■■ ■■■k■9N■w■■■`■■■K\*r■■■  
b■iOf■g■R\_Mr■a■r■/■■■ ■■■v■.m1)■■■}D■5■■■t■■■N]■■■N■9/i■C■C■■■-&■■■F"R■e■■■r■■■w■■■)■■■c■■■  
4■■■F■■■;S6■■■p2■■■J■■■ ■■■u■l■■■e■M■■■Q■■■R■■■ ■■■wl?-■f■{dC5hgl■wc\*1■9■■■v■■■uj■■■,j■■■  
■■■T■Y■■■#■■■<;{■■■r■■■ ■■■V?■p[■■■Q■■■)■■■\*■■■g■■■P2■■■A■■■(■■■K■■■]W■■■Je■■■(■  
■T■w■v■■■Q■■■~■b■■■T■■■o■■■}l■e■t■2■/■■■35?■n■■■ ■■■C■E■/lien3■<■■■\*■8a■c■■■7■■■C■Funfh■■■  
  
■■■ ■■■[■■■^■Q■■■2QD■■■s`■■■Q■5)■(■;mY■■■ ■■■tuM■■■ ■■■Mtw[■■■ ■■■G■■■>f!■n■■■p■■■  
■■■x■ZC■■■F■■■5■■■9/p&■■■B■■■4p■■■0GnS■ ■■NA■■■F=■o■■■Jm■Muue■■■DNl■VM■:e■Nf{■`C\$■  
■■■E|■=■\$■■■:v■)S■■■xyf■■■+■■■o■■■d■■■|9■T■■■+■"■■■j■■■Tg■■■|■z■■■R)\$■{D■1A■b■■■#■■■ΔMJ■■■ ■■■f■&■  
■■■c■■■((k■■■V■■■>q■■■U■■■^:■■■dS?■■■jd■n■4■■■!■\_■■■ ■■■L■■■/3Z■9■■■q■b■■■(■■■tq■.W■■■Qe■<9■■■S■  
■yMP■■■ ■■■xK■■■8■■■v■(■3■  
■2■K9■■■ ■■■~■kFO2■■■=BG■=■■QN■■■E■■■RU■■■ ■■■O■■■o}■■■;■l■■■W■l■e■■■W/■■■ ■■■m■■■g4■■■  
■F■■■x9e■0■■■\*■■■ ■■■s■64■■■ ■■■q■■■Y■■■cw■■■<H2■■■x■D■{.67■■■cP■■■b&■■■-■uN■■■)■uk■■■1■SS■■■  
m■■■ ■■■l-■U■[■■■WT■■■\$■:■■■V■k■]■UJ■■■7■■■!X■85■■■ ■■■'O■■■6■■■;1■■■t■f■■■r■■■3■w■■■ ■■■=X■■■  
■■■ ■■■,q■G■■■k■1b■■■@■■■;d■/■.<■■■1■■■ ■■■e■(gD■9■Du■;■-EU■P■R■(#k■■■Q■■■F■■■9■s■D■■■  
■N■JX■■■\*■&■■■ ■■■"■b■uMa(g4cl■■■ ■■■U■■■ ■■■D■{■■■Z■■■\*■0■■■q■■■\$■4■■■]XV■■■6■■■]L■F■g■ ■■■  
■[■■■NE"■■■J■m■Z■<■y,j2F■\*■■■44■■■bX Afr2■■■8%■■■z■■■wy■T■■■"O:■■■5■■■1(u■■■+■G■■■U■Q■■■8=■  
■:■■■t■■■n■■■8■Z■■■Uf■■■,■■■ ■■■@[■■■ ■■■ ■■■#■■■ ■■■0■u■■■ ■■■z(■■■S■p■■■ ■■■f■■■h■■■w5x■  
■:■(G■!6■■■6■■■=■~(■=■r.■n■@■■■F■■■\■■■+■■■5G5#■■■T■B■■■ ■■■R■j■\_■|b■■■K■■■f■■■]■■■cv■■■F■&■c■  
■■■4■■■]■■■Qn■)<■■■ey■Q■czE■■■B■Z■■■K■■■ ■■■{A■A%■4fx■■■f■■■c■■■E■■■!D■■■HxZ■F■^■■■|■■■z■■■0■@R■■■  
■■■QAW&■■■2■■■4:■;■■■ ■■■L,■■■ ■■■WY■~d■■■m■■■ ■■■Ú■■■ ■■■F■■■=YU■■■.■■■)■■■F■■■J■r■■■7■■■  
■■■ ■■■\_■■■\$■■■ ■■■E[X■■■d■■■h@■■■ ■■■JP5HP■■■A■e■■■ ■■■v■■■s)■G■&■■■V■■■ ■■■O■■■ ■■■f■■■q#v■  
9■■■ ■■■4■■■+■kP■[■+■f■\*■■■l■■■&■■■)■N■■■V■■■@■■■U■■■&f■M■■■j,■■■ ■■■0:■0■■■pZ\9-x■kp5■■■  
■■■m■■■O■^■■■+■■■ ■■■@■■■F■■■0■■■2■■■2■■■F■s■■■0■0■■■P23■|W7■rV■■■A■■■j■■■D=■D4■\R■■■  
■■■t[■■■ ■■■ ■■■\_■VS■■■[1■■■ ■■■y■7R■■■rk■■■XD■ri■■■<!/%■■■>nT^■.D■■■B■\*■■■L■■■'2l■■■%(■B!@■  
>,■qR2■3■■■E■Es■■■bR■J■O\_w■■■vjO)■■■z!■n■B■■■ ■■■F3■  
■■■[■E■■■:u■■■ ■■■#■■■ ■■■j■■■t■■■s■O■■■}■■■ ■■■S■H\*^V■E■■■S]■Y-6k0■■■C■■■ ■■■@l■■■LBcL■■■v?■  
i)■%■-■■■6■b■■■!A■■■Z3■■■F■k■■■#■■■Ze■■■ ■■■J&■\$■■■4Q■■■ ■■■T■■■q■mmy■2■■■)■■■mYC■■■\$H■3\*r■■■  
■4■+■?■"■m■■■ ■■■3■■■ ■■■\_■■■ ■■■4■■■!x■j■(n■i■\$|■■■(SyG\*■)g■■■qO[■■■ ■■■;■■■y■td■■■B■qk■ ■■#■  
■:■■■Z■5■■■ ■■■NX<dqK■■■#  
\$÷■]■■■ ■■■&■■■4&■b■■■,x7■■■ ■■■l■D■ ■■■G■■■v7■■■\*■%■■■zS■■■R:C■■■>u■w■■■+■■■ ■■■ildH■■■!■■■ ■■■]■  
m■■■X■\*\$■■■J■N■■■W■b■■■?[S■0■■■+■■■pΦ■Ep■■■ ■■■  
■~)E■■■ ■■■l■R■X[■■■Y■■■u~■7■■■N■■■[■■■5■iO!3K&~.■n■■■W■■■ ■■■2■■■ ■■■l■x■■■P■?J=j■■■R■■■Z4■■■&■  
■■■ ■■■N■■■ ■■■V■`o)■■■ ■■■X■■■ ■■■DzU■v■qk■#■■■ ■■■xx■■■[■/a■B■■■Ep■■■Fa■y■■■5v■■■:|■■■l■■■:■■■Jc■■■P■■■  
W■■■y■■■;W■■■B\$!■■■ ■■■D9■■■3■d(FI) ■■O■■■V■■■ ■■■8■■■p■e■;■+■n8Y■■■:■■■ ■■■m■hq■G■:7c8■■■  
B9■■■1■■■ ■■■i■■■/■(■■■x■&■\$■PB)■F■q■■■o■F■G■[]■■■H■■■N<■■■J■j■■■α)■■■?■■■ ■■■?■■■ ■■■K(■  
endstream  
endobj  
35 0 obj  
<<  
/Length 32748  
/Type /XObject  
/Subtype /Image

/Width 628  
/Height 188  
/ColorSpace /DeviceRGB  
/SMask 157 0 R  
/BitsPerComponent 8  
/Filter /FlateDecode

>>

stream

x} \U SveX F Qa G 0 i Aq GDE "2JDD E M ! ^ U % N t Nz  
 \_ yU K & \ 6q t r 4s | 6 ? % X s T I G O E n  
D 8 G \_ vc - Z x Xq t ^ U N F / V [ ] - + o nil & & dr. ! Z9 d2 ;  
 `rw ~ i U 6 \* Q n Ni i. [ b " 64d & & \ + & & f 8 B + P 8 K @ k 4 A rc  
 K / J Q < m \ Z R ! \$ ; | k ] y k : 2 g L B 6 H j Uz ` L d  
 p K w. ox & 3 k 8 WK 3 n Z | : 30 P Tu l : = b Q j T z eq K B c !  
 ) A P > 5 < 2 \* ) 7 } e - \ BX % s = ^ o ~ X - mm b 8 L f b .  
 # CD A P c = r 9 > \_ frr [ n 9 [ K  
 ] " K , Z = n 1 ) " q K ] LO  
 b j d ' i 5 O A J h ^ X c ( 5 | ! ! : [ J L " N . me { ~ p wa A N I { B j t  
 1 J + 7 ; } & / m & G L r 9 h ) k N S J | 0 2 G  
 r , 7 6 K C & k j y ) ! t 1 & ] 2 k Y & B 7 < i 7 c Z U u + { 6 y K 1 b  
 g u 0 D , M E e f I P K ^ o ; 2 ! / 2 - V < 9 2 k b D Q a ! d S  
 D \_ C + T 8 w l - 0 4 q L a \$ 8 K s dx ? Y ^ ( [ ] N hy TD , & | V  
 j s v < Y X å B | 3 L 4 . Q ! j . B D } , U 8 - 6 Q 6 X x ) m A  
 y B ] | ' 9 W V ; ` 60 ( ( R Q f 2 M W \_ \_ H 3 m X ~ c ` 9 p = \ ( cb ) \* + C u x b :  
 ^ Y & q ] : / - \_ - < B > i % T + ` + ) p U c ; b R o M  
 0 z | | = ? g Z > ) j D [ g ] w Z 6 S L . \* t ; k 3 ? ` d ! ! s 7  
 - & mc 5 c d U a ! t l É D Z v 0 x P { V fs W b 9 Ê a F [ s H k >  
 . P \$ t D i l É l m Z [ A { { q & w ^ b b \* = a ' A ; O } \_ \* G ! l w ~ C ) } C  
 F / 8 H Ag 4 p 7 \$ pnu ~ S L == 5 / % L X s k ) U 7 D j /  
 J C W o z ~ ( ' W r G [ o < 7 \_ H \$ ( \ k } z {  
 Z % 5 G 7 - f 4 R A r K 7 { c Sz b K c 6 \$ & RX T 2 = 5 ? @ K c  
 Z " ff 4 n D C C X , q M o 4 8 9 j 9 H n K k d 3 A < q T S 6 j R L  
 S r ` J ' % = 7 ) g f 2 3 P q x % p B \ I Q I E TD ( 3 3 6  
 2 % 5 ye 6 F [ x ; b ) B c > 0 / M x + B L " } y k  
 [ ] j 6 < J ' U b 3 t H dk z j e /  
 4 z X 60 @ N | y sv t ! p D 3 tu g [ o 6 s < Z \$ ] - : ? C  
 q p B 0 f : 8 7 C C \_ Z y ' 8 U L S E M f ~ 3 d ? l d [ > { ^ ' 6 U C  
 8 ^ F B | { - Y e Y W F i Zn L H W + ! p 1 f 2 O . m % t | 6 c z  
 | ) ~ c 0 v - - y 9 \* V < j < D & 5 6 F k ' \_ V 1 s d | 8 Z , e  
 q Z 7 z g R Eg [ 0 = L J y 1 C y [ u f 6 F < d # " & a q 4 l Zn 2  
 Q ? ) 8 ( U n m R n q F \ # D w w | J u m ? 8 # xyl Y j c U c |  
 dg ~ / & S ; S ^ 7 ' ( v b < t H L R b q  
 y 5 R S k S n 9 X J [ v v x O & z j = [ L N 9 [ [ X T J V ^ \ : U ( h J z  
 C p TK o K at ~ ( Q ^ T j \$ H 8 | ' ? }  
 n M z U . W \ f v ~ 8 . N 4 T . Q B & X 1 J , A \$ & u v \_  
 Q z [ " , " 5 } o ] 2 k + X : \$ | [ | p \ ~ 5 \ r l 0 ] + m | > >  
 q M & 9 : ck z \$ G G b h ; | 2 w s x W t ; ] d ] p nx tf ;  
 cy ( 2 A 8 Q z { e v | ` kp 2 V g r : R g f | 5 r p . j ! a " q \*  
 RT a } M { } z 3 b [ V d L G a - N \* x 0 z } 4 g , J n q  
 % . 4 Q d a Ê . } - B f 2 / m ` [ Ri + N & rx ] e \* + a 1 Fe 2  
 h ) G W U : Y b a 8 > t + V 1 k E + K O N F O ; - r p F y rd  
 / Z M n X a 7 + i - W Oz Y 5 , m [ 9 ak # 7 . / es 7 H , 4 +  
 o z { B \$ - f G H I U X ) A S W Y d 2 x O ] # J 8 ig ~ p \_ r " 5 A X %  
 n B } O [ h 7 0 W V ` { # i V % ` 0 Y \_ [ = N ; O  
 Y da ` c \$ f  
 I T T ( \ T g , 6 x # / ^  
 o A x j ) J F 8 W r O X ` k J f X d & X dc g % d 5 \* s > J < D

ln6

0=rl3kWwN&5=L|iHa{p{6{v`6  
J\EFM;x"7}M-J#}LT5X|0f,++x\_e\_Imr\Sd;o  
V'&|\$7mjW.8rkk/)\5"b+{tJ}fM  
tjqqV\_((Rp\_mX|I\$gCWTT\  
0Yaa7qZ3\_,uRhyD<h: {wW5T^/8/VeHc7d'N\*;@  
yR?Çk=<A<[>S5[76NyP} {m\_pJto  
8eh1uFVzb a2C9bAbf% ^a\$:Iq^1G^Se0  
=[3/7 (G(o,233uz1{M:f2gkSm!cS5h  
V?t[9  
\\@y"||wJaa"fxxtt/~/~hh<+4^\_O~o[ 'år. k85  
9)7DO:nn  
0||[sO)uuwhx"S>aqqLm:0X^,1FXXS~"]  
\*--FFM[1aa"ahnR\*elN?Jd:C;r;^ab|)8|+qP SxV- %  
Lhh.jrr%\*-kk|=v\*?fDMM'S:λ+v)Q  
^LLaUWWX/"w8x%nM3)Sk/a6  
}Sa%&n@`\$7&S|\$5l% +Tk&i.0B+1]sM~X86OB  
ØwV@LZmMyB-X,Qn0.,Wo`?{{D0\~  
ÉpAkt\$^3OWvGYPknnZ16zv-[g`eiyp2  
?,,Q}sss[V@O\_2lFUhO~[-d9J[u|/fff~%4+!  
@,G9uutt[m{&\\mmJ1.4Sw/Md=={?i@,  
8A9\$([[|3Rq\\AuX.!h%5f"3|1XY  
o#rWeeR7+oocw==EYFG(V|hbb,9S2iik-k^D%tB0  
oo+2ioE"aaeiDHHFF!TAd>':%: c+T;|l?++5xm  
4<i+H,qQT3==H0y<Rn<h6\\&6j4ÇFY<<  
NWCVV\*D"??+58Yvq+5b\_:XÒrrW999h  
cUr%?--q+&O-vVO\*VO|B==X@V3h:ÿ  
D/1@EH"2a|VG|\$GxS(hXssQREmWV\*p  
SBFibb~: {Uxf9UYT`^eq|a<=\*dB'K  
v<|WlFBd96J(4dd=2?5WdP!&L>t6N3G\*  
Kdtt7~n"Ga  
Hf8q=-.@=w^a}nn\$mC||5gEE[-v/6YNNQkP@H\\  
!GGRR934mm  
`\*\*g  
H>"bX||Doo<v-  
mm@G0L:,pXgg=^XPqunYU7EStbuip[JJ%3LpC  
#MMm-';oiY.EB%;aMd\*  
M>nnk#bb?\_,\$FeBBF[|Y5ppDUaLznn/y/ηFc  
=2&kBA++Q-("||\85]cc&r/</ (qqXcP5~) &&gq;pU[  
6n{,O926Bj&RDfF|0  
>zaa#rPf,aKd#xh8&H|qBccD19f!=[|\$DD  
X;;;2G&>z<%x`~PqybPaauW))zqH~\$} ?Bv=  
e|d~V|Gaah\_;;~53y^g\$j\\he!fb09TK`  
F#/{DI6j|\*IxP@  
5{oo\$pe#.ZfH7},D(NN<xZN0|||^cyJ866{LN  
\\)ON&.oZpU|xv1\*T`lZ)Btt\*Bx6OsE  
YYYJtG?RV7\\[\\JN)??2V[9KX#YUyC+!|@9e  
3rb\*FtT %&5j88~j1[>\$xx,2m;nTkZyyC>[xMOM>d]|  
~v.dV'Gz]'J#trvM':K\_Kxo\$AO#y|2\*6j  
6'vY`Bx^l1mmFa's</n#KcZo[m]K-φR\_<br>f\*|@++/0+FF>\$K+FK`\\)jynyC\_:MLtv'vw'==3<br>0^k)FF!P<br>;nn?#iB7iiX%VKSS52=wl!dP2kk!GPPX<br>,dp((8FFf7EWviWWWH"x")Y||J'<br>~++e#g=00:X2X(?wcp6-\*Q<<pQQ!cGλRB^<br><br>g++0)KR%UP:X8AHFccRZ0>Ujbb.(37H:\\M.8|W.sL2<br>;S7W&ly260 {QX#pDQ`<r#Q\\Et3mxzYC\\K6

a[K.8(Hn:qxHfQWcF1W![Gn-EFwu7HLIS  
pL%r<G42u%/+iVd0tl>0'V%|PfDij7Q/ ^y n 2luD\_X|  
2,\*<R H%Y9IVIY;;-V1=Xi v x?~p`4B y|E[FcB)i  
-L\*E:#}me.c\*L!Gy v d<0?MNNV}0le o&1K=A b CV  
cMMZNASu{C!\* ,B\*sKKY T5r r)[rD VUa3+  
!d\\  
(FO2H5'7S\*xB]B D NH Vt]FRR1JU @D Y Hm(  
D+ w%{Vzq?4c a-|s g2j[a4 eR UQ Ff na k \\ ~a OKL{ j /  
0t%} k1|Q .B4 b ~s[ 2D) % ( | R b 7 M  
V/ | \*h < b j=O F \$ ^ tGU JV[ 5 Ä K~S q !Y(K.\* ~ n;M f, : ~  
W{ p F m%G~ j U h A (\ 4.Ew6 d \_? V 1 5A 3 | V ?T=R p  
o ZIH j m w |= [ j Jgw =N NN b v &~ U| 7 z P B W^1 b <  
& R ^ kV +A ; " a z ] J z SI5 5O < & u {fl7vdO u 5  
} A +A q H UB "2 ! O1 be A q xl ^ 82 ^C hi > ' cl; A  
XuHb% ^ | " geT? J z Jb% ) z ad d7^ P e LWV 83X S R T V # S X  
endstream  
endobj  
36 0 obj  
<<  
/Length 23716  
/Type /XObject  
/Subtype /Image  
/Width 443  
/Height 187  
/ColorSpace /DeviceRGB  
/SMask 158 0 R  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream  
x[ ]xeU Q FQzZ i{ h 5 8 u { k a z aw Z e ( \* R l s # I JRU + T \*  
(  
(  
(  
(  
(  
(  
(  
(  
(  
(  
(  
(  
(  
(  
(  
h x  
( N7 e> P@k J ~ ^ E V f Q ? V ( . \* Yc z9 U / Y, CK ^ Jm9I  
 -A G b J } ? k 9/ \_ MX 2K [ Z  
 Tb b  
n ! ( (n O : " T % l SO x Pc Ps & G X d V f O  
 ~ b s / K + F J K Z N K J S q ! % Z F X R = A F D x b T E  
 9A W { | x & O D - ( Y E J 5p 1 # 5W < # h#uV'g x  
 m 2 4 ; j w t Y 9 ) ` 8 y 5R w n T u D , K c ( m u + a 7 | k  
 d [ ~ U H z b | LO / = \_ Y B T U 0 \_ r n Un  
 m 1 = mhp V | NHW LYN Z 3 { f z [ > Y ) & Q ) P ) s ` L X J W (   
 | O c 2xH -c > Y Q ] " / } 7W 8 6 ? " c KN 9 ( Q f :  
 pp i C g \$ , N X f 0 J + \_ q R { \ K & V p j " - K  
 C ( ! 9 ? m w SH4 } Q 9 c % [ O p ` b U % / " \_ 1 9  
 S V ` z e { ; c u \$ v o \_ S4oa : 0 1 M-0sm x + D RL  
 q L { : C b ( B / w m PY + ~ : ? a h , d ! e 4 \* = / y [ [ H r |  
 n " v \* l 8 g l X \_ j 2 K 3 > \$ o ; 9 u D h " m > 8 V + & K ) ) " E 1 8  
 3 b ( ( L 8 ue \_ p u R Y H = d 76 / ^ 6 p @ & w ? P ~ >

;cVYB|1Y\|:xp9jk#h^i/{S\$>zd98ZlDk  
@K|O?mC^),5w^T4e:m3m8Λs<N\_d\_|/1.  
K|G||2>u~;xMU!6nqlj=0-eL5mPvi0==&1/?  
|D(YR=)(pRD  
'(?9|FYNL|eHrO, zjvdD/.p|leFQ%Z\$ p>6  
#S{88&Z'E`l5'AAAAVi|mC\* n=<|S}^{|. ?%0ZFVq==+  
:UyH|p|pO9l|r(0m|R`-w3oD`Y`DU&~  
B~1CxsC55o|rJ==<FB8cgL\$/E|Bn|<9s\_#7lF|f|n|r&Z  
wQ.f;v}.B!s|a|r|W D A D  
7\$P{XL)c|et\_ "u<K rN(L4SzQT|f|\_OqW  
9Nz2VQs##zw'W/`\*%`=p>cK2c&IH|TJU T8  
~-"A-\$&Z0K6@X d, A6'{'xB9yl2`S(|' :snzW-0/(L|j|bRe^  
(4d3]]z7d#7t]+1fgXE p@VH Wk{9.9  
UI)|^R"V9K-621f s694~  
33  
,iG|F|A V T("RMJHRr71(p)+h5`\$7k8DraGIn?UO  
y|x652FmHYn^|[?LXmdV#OHZ^D s+ii  
<B D5EdoJ|x|i`>),q0\*41e|w|i|g|rL,A'?|j/!/3Wl)?2  
6z=(|d|-9Yh4l"zf|g/H[YY} @T D|"d<Y  
Q;qXpM Z H e\*Sw1D Z-0`Jq a(AdaW  
][Tj? a'>8|L5==`2  
W^cw s-  
FvsBw-eK d|p v b[HG9-R"j\* u  
6yN90qLH q s pR&u} {>q!|uOA\*  
{bJpC0l[D  
LqG u kb{L7D D. c Q S M3q9 v #3 k Ec  
F|n' |B D m A D T Hi =PJ >D |"\*s0 T & 9gZk Zd\* e (F  
-u ;r 0 4,%Z |y g2: SIZ# / Z k j > X T.m'\_kQ N C, r 2  
9 & f n | | cnH = o j Y P & {  
R H \_ h W J K R " \ s L r z Z o E Y K ( w & , < Q C Q  
8 : 2 " & on Z g u ` | y W0 \ R " s m c R T "\$ OC q Y  
Y # F W z ( 46 NNG \_ ; \ r q \ > : x e l \* . V r # " T J O g 5 ' X  
+ Z 0 ` 8 SH ' j } 3 s ^ H } @ ~ d G ( & k \$ s \ 8 9 M T Ky s | <  
n [ F 5 E P a Q | @ D W / Z j E M ( 0 \* A ho 8 s = 8 2 ^ % v  
K ^  
T ! | j 0 ^ B > B ir C h 1 \ Y V 4 \ H X T " s v ] -  
\$ E . J \* ( ) \_ 4 y ( ( O 4 M MO \ Q x 0 l  
v ` i | t e x T + m E u w N < z g P Y \* f ~ \* E K B f i C  
\$ 4 T J : s rei ) MX 5 u v % l Y ; ( J 9 v 6 r & VW k | y { | 6 c H IM 1  
| ! ML d m Ō Q a S o ) p ^ G V U # U w - R SO ' Y j R  
E @ M | | > E ) O ( R f g / s ; 2 > i l Z . % y M \ 7 e ¶ , R \_  
' q j z 1 f & } W " 0 K / B = | c ; ! o \* y j ! h \$ 6 A  
\_ ? K j 4 s g D . \* c P c R P 0 r d | V o 3 D j j C = m 3 + R " ^ : O ^ 7  
@ u 5 Z H z E i W g 5 u 9 p 0 } q Y 3 \_ b \* j { f . + > \* \_ , x  
A CC g \* s b 4 Z - G n G { # > % u r \ Z v . H Y j  
| \$ > M ^ ok R \_ [ 5  
T j z | ht % ; < j u F | O > D W 5 8 K Q ¶ Ñ 4 F B 6 ; } ? o ~  
{ / b 7 r K \_ W M 8 ` Y o N / q ^ 5 < ? H m q | N F + oy D  
L " 7 C A { u ^ L ^ D k R 2 p X { & 1 b \_ Y ü ( 2 0 p z  
p hy a V G Y L : \_ + @ G & ; T ) E u / M 1 m ` \* 3 K M \ M 7 e H & . L  
e AR W f % n ? a h / % M \$ ! 8 H ( % S Is 4 q 2 s g D K K û E < > z  
( D ^ K ) \* ) 6 \$ e C 7 F ? 7 Z G q ` \_ [ b & m K k C | R c | E q \$ y i ) ]  
( x ) n z V K ) Ø F { G s O } m v ` J Y & 7 p ' d P L \_ G t R + c ` ! t  
2 \ + : | l ' 3 c { y % ` r c + = 7 w 6 H . b - ( ,  
' y [ cox < 0 0 | 5 ail Q A 7 gt X N s o 9 P 9 4 < r @ e 0 ^  
At TU ? @  
\ y 1 ( \$ ~ [ n 9 H B zh e ` e ^ g ! . @ O \_ P Q C F q tu  
| O 1 RM dh = p D K ) K % 3 { 6 o o 9 } f | 5 & c h ) > x  
3 h ~ A j O / ; \_ V r O = 5 { 2 L \_ ] \_ 5 a = d D 4

[illegible]





!■d■SI■c■n■n■9Q■T■S■]h■P■i5■#V|5■F■jW■?5■\_1t"■\■\*■+■=■u■i\*%■,■J■%R■'  
■D'i3■\$n■!V|■}=■yh,■Ü■|:■d■b>■X■|>■~a!7?■Z■?p`r■u■6^t■H  
■L■H■B■m■j■3■e■+B^■A■|ooft4;5■/,,■r)]■J~>3>>■7w■X8■u■M■  
■DZ■Jdl\*■/■--|W]■L■A■j!>■>■t%■e"■+■~■}■')S9■mG■37■  
F■D~4■0■r■e■œ2SS3■v■"■F■B:■A  
■Ld■C■uB■DCCvrr1■Dr■3{■\_F■"■t■sT■D■!■F■#G■%■Hl8■aJ  
|■!>\$d■')■d■N■#■h■v■S■1■sg■|~f■k■sj■G■(■9■+■Z■5v■z■QR.7■K[■N■^■-■\$D■\_■  
■u■'■@■=UL■n■#■Bz■\_■N■}■hU\*p■GOO■\■=■4a■#T■3Ti:■"\$b■=■  
■x■q■T■E■NZ■HHD■@■?ni\*■kK■b■[b■Z■Z■L■w4?\_k■/f■SO■Y■"■k■  
■&■j■0'■y■C■#6■"■P■P■t■mT■<■!■2Q■X3WÜ■oO■Sz`■b■ZW■;■S  
`■?■#■s■hmVA■H\_■?■h■gJ■M%■"■N+■V■h■y■p■Y^>■s■O~■e"■9■W2,+■\*H■  
■VX■gZ2■7■VK■G■L■6■a■-■K/EO:■{A■'BC%■[■1■@■2■i■UXX  
:■\/"■Z■sy■~Qi■0■0<■o■2■  
■L■a<g■>■.■f■o■r  
■F■o7■Dfgk■|.■&\*q■;B■E■+}■WIX■Pv|<y■Wl■F■RH{■f■[■5#5■X4j■p■  
■Be■s■.■4■a■}■hM■V■o■u■'Z■E■3\$K■j■S■a■J■\*7;{■Z■:v■P■;■m  
UF■O%■j■C■O■z■U■mfd■o)■x■i■T■;■)X■#■Y■4.■u■?■o|■[■gv■  
■r@,4b■i■#;8■  
■;■g■6■7■}■C?■)~■a■q■}.■F■\*]■J■\*r■u■h;■|■P%■|■.■l■`■(■P■^1a  
■!V|■9■;5■h■b■U■\_■O"0B"■^■L■+■t■,■n■z|■u■S■i■\$■B■@\_■h,  
■X■D4■v■{DU■g|M■1■F■Ne■,■q■W;?■A-■R■'■  
@|■({■F■|■K■|■x■L■s■r"■t■/■W■O■2:■W■  
■\*E■;■CΦ■TH■jJ■p■'■6■  
■(■Y■}■|■cx\*■e■h■!■J■W\_M■\*■ISa■#G■<■-<■0r■?■-■:■%■\*■'■8■  
■\$■c■bb\_pf■;d■.v■(■dR■q~  
■HE]V75■K■{■a■g■\*■G■p■{e■/■o■vA■k■HN■&■=■^■y■0■4■1■  
■=■'■g■qYy■l1■Y■B■Z■O■J6t■cg■A■k■q■yB■|■  
\_1fv■V■\■x4■J■h■'<■c^■c2■F■q■'■B■q■tU■x■X■!■[■u■5S■|6■FNF  
l■Z\_■yt■Cn■@■V■1■r■c■8■6■6;■Ea■c0a2d■cZ■l■\_■je■C■S■=■S■\■j■'  
■z■Bw■:l■n■J-■X■m<■)/j■>■4.a■a■~■E■J<■<■Q■\%■W■,■.■H■j  
■U■":■x■|■\%■nr■"■  
■',\R)R■nsf||■?■^■Kl:■H■T■0■G:■q■f■;■\_■R■7J■~■w■0=x■  
7n■DO■\_■/■q■i■6■3l■R■&■O8■  
■'■b■]■x■,)■8■|■i■bp■?U^g■%.■-■B■8■.}X■"2■|■+■+■@■^■?■;α  
■[■"n&^■k■%■\$  
■<■C■Y■x■|H■')■h:■X■;j■O■M■Ey■(kF■Y■\*■1■o■A■=\$A5%E■J%hr  
■Zw■)(■a4r■i■G"■O%h■^■9■M■K■}3■;■K■,^■00AS■~■q/R■m■l■g■7■  
@9■C■R■l■4■u■Y■{■YCp■V■  
C■\_■j\$■K■  
■~■y■(■\*■5■  
■8■y0%DC■l}■H■H■/■{■qW■L■J■q■~;■~■RUN■5%■F■cAGz}■a7■(■  
■|■u■N■i■{■)■qE■P"■|■y■b■5■M■>■Y■j■9a■f■N■9■  
7■\$2■j"■6■jG■  
%■Q■]■F■o6■{■W(■d2■{c■pW\*■~■\_■Z/O■zzx■%47■k■k■#■?@■"  
■[■CH>B■W  
■\$j!■zXSA■g■|■E■n■i■7■q■!■#u"S■n■c■q■W■8R■X■"■\_Y■eD■Z/]■S■L■  
#■4w■&■c■E■K■\$>■U■Ur■u■S■T■h■&t■G■(■K■Z■tJ\■q■a  
■s■6■-dD■@■;■<c■+■\■\_■\*■x■;1Ø■)■7U■Wgu,l)l■o■|@■|h■  
7XyGV■é2■7■@F!f■)■|■%■?\_Y■F.■O1y■bY\|■P■gE■yV■fFG■<■h4J■p\*m  
A■z■|z■%■q■P■,■#■]]z■[J■k■L■}■}3M■F■>■D■2o■2-■2■C■<■4■  
EV■>■Ji■7■j■\*■/■'■{■^■L■"■.Br■7■@■<p■{■r■Z■O■h■  
tY■>■g■&8p■&■X■(■L■S■T■nN,N'A4 %73\*5.?.p|g\_■fU■:X■p■&am■=■8  
■iyH1■2■\■~■G■êX="R■Qt|x■-■]■}j■/■Z1)■{5■,■JJ■u■a■.■x■B  
■\_■-dD■P■gSd61■4K■Kl@■d■b■o■Y■\$;■9■Xa[■~■+■0■t■K■  
G■S■l■9o■1y■[■U■n\*■j3■3(■S■V@W■V■0■X■+■,■n■V■)■,■Pp  
Vn■\■2■>■v■U■O■N■(■~C■K■Kp{■k■T■qy■b■7■,}■B?p2■#■c5!H■b  
■y■v■b■%■U■Q'l+■%U■7^■z■;■r■n■L■#■C■M■-d  
■W■:■n■E3■>j■t■#O■x■2.■\_bR■U■h■&■9■|■<■0w■\*■o■K■p  
■\■ku■b■O;M)5■c))■"■u■=■0WM'■w■i■-(31Z■1■o■j<■z■1■B■p■;

[illegible]

```
[eYuyJAJA'P@R{EKXK;?EjmQ]"z":(8299}>$3gLL^<I&
%IU|WxOU7
gE%[*]+rIU]P0lyB,S__Z2s.aC=I)g>GbXIJ5,)!'L~M_
nd6 N_O&j}}1qd=Oxp&)WE73%dRIi
Q3.4[k[#^rX;mN\nFRIgW833~0InI@5cWb
=2n1B:!XPP2OO;33Gs_qnc@@kphpp[&vR
B.y]&[pl]cXMER.?;bb=34|[pGNbl$vvD||9ee
p<yC_Mz;b|=}-B~ohjJff19mmES7/bR))e
JS]]_DGFFH.kUR][^|Kxp/CQ3xsS3#JrKqonH
u+PKBo%vawRE;$+W"
+|;6Mvt8,-cf ee%mL$.<4fd<'e[*6vK
X\O.MK^:qOuQan7!=vJj,%;aa?fA={#}46H`q6zY
zzRA
y?[*OU]9SF3{++++^xaCAx8ccASBwlc
\ee|iikkCPCKKjjJsKr,,_!SS~,,$LB5OCb{3,u|l
yy.eeh-JVl[iuuOW2( (~;$$oS@R7taD]
T++f|ypIA@g|hYfo)D)%9)'e2~Luqy|6&*
xw1Y@eefH'rU9nnTTA#,.ma4m*^&;jVvm:*A>T||
5.)[(||.u!!vS++\zzj&pFS-|7{||/v10:]O)=(T{||#u~|"L<af
gSWWChDQQ(B""]5")FF&Th:&F'"4bUUcv|
8t2$++M8YY'OONAD'xi+++ARJRMAv,W)Ymm
. ddjKS;||kNO;0..[[i_d_O)]||W~ZC
jDDZv(l)WDG?iz >qwj|AC]ziAuc% ,fX""M>{x|a
eeYF/_X.xW\&%tt?!^Wx{A@m:r
-)-8NNMuu;eS>H)Lps"ql"``tjWuo!||?eu
ssGGo+t&+7,~z'dNK'RRWd/3W!|=vl
/??j}AA`.:%P(Har'6n{##H`Ssse^
qN8_*^L[!!!!8$x(|*IHEv8[lz,_+rhr)o)\
Zvv0FFFVnn"yUMgV/dY2~A$%4-1hE&pX<W
JJ&hoouOOPPP
~X::W]hyVVQ+VQb50ci}fM+++XEETpp+nnd$Os^?ht
-[b6e,2gg5-n::xq>VV2r4D!|]5P(Ao6;DkZ[U-MR"
qq<D4-(0'qq5Uwuua||+yGVj=M7r[OA]Lv3J
tggoov8Bb/$3,ThAN*ER:@mmM;(,)YYY$*>D
7Y9HH
CC7<.<nHa%%cq#&Q@q;,,,hhUTD]xxc#==š~#
+:::KXH16ii;rY=KmmuuOI86uhIE=}Vw
++!y9VQ O49E[+]Gaaaa
zrp==/T9whJ<d%%IEk[*dyR _kkc`jjh
'USw=DT"H"mpPrNZooO~dl](q*****Nc6l9~1
||r5o]PFZ4z5X?&Dnnqmjc33,BL_ ;2;x
+8TQR6W$UaA((/[b`E|| ? J;Df[|O<]|S'bBrRo
O8--NFQ\\D(Mhh+YFG%*"Lv%zZmkk{14M'UU}$}kZ
Y{ckkpM<5+-htgt&>\\OEnRRTRy}J8y%eMi|q
...../"e)ek@@@%s~~++[#%XC,,,W+qb95mGF,a
++Y7"eexxt~uUU2{n?MCq&J9JxJ
kLMpCc1((x58|y3i>=dd--{bbpAA'u&;4mm('Jj>,K
H6ppW1??56x5-4B::DKt:@NKGG?~<.phNNjOpsVLQIC
aa?FIWm=J1WW|ooo*Xt:7veBWpUi,ZaaaXGA'aE
ss7HHh<U&%/TF~*IgKbb6NdN::C.|~~~~^~8??
{QnbB||IE6`Qq6zhW++NdT>Y[*y'<X|(R33vvU+d
```

```
h[#####Ud#####UA=#####zuy=====f#l###Mj_s#Y#e##&#[#####dt#0#³#.u#*####  
k&MS#]Qv`#####71#$q#####ki###HDM#####yRQ#####:(#####(>Q#0#@#####Y####[#####S  
#####K.q#`#D#t#B###)h#####w#5k#vj^#####g#####$_.#{n#iiV####<p####=#  
6i#####\#####w}#####[aMk#####h#'Vb###o####i#7#S#####H-#&?  
#3#P#?##%#>a#####`##g#m{##f##*#v#####A#n#m5.#?#U#A###4###*#####W#:#####:$  
#####%k#>#####p(Dx#####=-##WW#####U##)?33#####V#{##p!0####?p'#####6*_##_y##[#####  
##+#####-  
][#####SSPr#$Z#####Xb_#_I###6~###?###5}]#t^####@D#####F/#####7<#L#L#\|##'?=(W###v####D[#####U#[  
#####W_-U#####g#####te#]R####|#####Y###W###Ba###9#.lv*##&###`O  
4  
#[M####<#####kv#f#####Yg#|#I*#####f#####B###UT#h9#vm#?'#i#####~T#77c%###;#H#####6:####s#i  
#}>Z###6#####7#####4#P###e#####6##/?#####7#####a'#####q#m#####y###K/#####y#####r#}7#H#DzU  
#####>t#####yl#####q5#####yl#i#####uv#####+#####H#r|(sg###E#####y\####'######N~##P#####O  
#####Zt##p##HMM#####/\^Yh###Y"#k#{M##'|#####f##6)t#x#9#####K#####x#Z25^#"#####H$j  
##,#O=e#q#(#####s#####d#λ#_###_{o#KJ#E#8#####aM#v#####OMu|k#"#fR####;####.####0Q  
#####'\#####a#R#;##x#A#Xl####&~F##>#####/L#8P#;####;>####)#F#####J###b#xP#Ç##|##]w###@#~#f#E  
h####+###U#####e###|###P#k#f####kFt##-###/######aM#^#]#"###(UR###k#m#C###/###J&s==###t###  
#####W####){###1;#4[d#d#n#####!~#F,o#Vò's`#Y2###J#####v#####:#####p#####qb#qg>!#####  
###c#####n#c#D#####,"###b\###7[S#q###V###f###+CRB(#####h#####x#R#3#i#####{|,Y#R####;  
E####_N_q#=6#####:##|hq#:##/$##&###p6jZ#sx#B>####D###/&###3#Y#7#sG####@#"#0#]>##>1##DK'###D  
#R###W#####SI!!###B#\##$#j####!T#####H###b#####ah#,j####L;###lv##T####\L#iD#4##}IY#oY#l  
###u.#L###J6X#G##+GR###4r###v)#####N###L#C#####@##d'z#####>#`sY#!#####w#y#n#g#n&###2  
(##/;;<3X###6  
#####3S#Llaj#Z#//{#####q>#####t##`#####f###\#D#####O#####Ax###S#h#)/#/'#jG#^##Fi#####i#D###)af|[h  
ly]#####eO4Z#dl#"A8#n#####^#####!#####,###q#####.###KM#eGx)##<#####j#l0#B,###@#x#c#ur#8  
###5#\%#8###6###Rv~###S##|###m%###|j#R6#####"####(###C#&#8#o##@#h####)4#^###7/ru%###"###||$7  
#####G#####R#####J*5#J#@_#"T#####W#####@,,#3#=#P#}D##d#####&####(##)f###  
o#a?)R<g#l###G~###`#l!b"#<#####,ms###d#####u%#@###>%#2#w#####KZ#  
DxF#p^#_#V###G#ag######|###B###c&#n#α#####<###\###215#####0#t##P###"#####E#####*<#Z#w#####  
â[#&ZI####(#X####.G#####cy#l###XJnb##?#####8#J#####P###@#T##1#$H4#N#6#####%#G#/  
#####l#n#T###J###H#P<###',g#*#p#####n#Y#v###Q####:"zX#####8#####+###S#####!0#####N###  
/r#r#m|]"###"  
#d-eC|  
#####1#j|#####>#?####C8.#####!*#4###{  
###5>mW###R#rR#####G^0/L#w""#0##5#####A#\#####/r#H#w###C##F###7#####h5R####'###6###a#####  
# ]#####θ#V#Er###E#X  
wa#####4gPq###N#r6e<b=P%L#(#####%#o.,#####M#####ZM#qq###  
#####o##=M8#####u.&Rk#####/l0##'c####l@#V#d[i#R#j`)j5#####!##^#:(_###"#####kd#`##+}#####A###)*  
{#p#4iv#"Z###N #####5:#####e#"#!t#####l######$!#S/F####[mK###V###R5#####j4  
###.###r9ZExF#J#####-##X#####IS######*#b_ ##A|#####2#####>#####Aan###/~#####8V#T# e#p###l#'N#####  
z"###{{#####6#####^#0w)###G###:_#_Ä#g#####}###m#####&Ns8#0f?##O#(##4#####z:w:&##'.LR###),)Vc  
###43###eH#=######q;(#####8#j#####4L#4>)###XIY#jH####[##%#####d##$TXK#oqec###E###[q`###  
###(##9###T,###mB#A#v#8a###!1K#####B###u+#$X#L#:#T#####{#####{###;# #4H###b &/_ #####~#  
(#####C#####St#})#tO#u#qymi###b###j#  
(#####EN#.K#o#####D'###T#J#{####@>####  
H#IA####  
9#N#=######d#:######P@#####D###n###}7H#T#p#4S#y#m#####  
(#####B#####b)|#T#JO#m0"4####-(#####y#####l[%R####>K##|&####  
(###JN^#p#i#y#>##>####  
###4###R###v###[&#4#####  
(###JCR#wi#_,6##{#####=@####  
(#####λ#K#####H#####Ki##  
(###&#{#P?s#####gx###>####  
#d####]####`##=####  
#####=#G###4'####  
(#####2K#?hp#P@###Tu#####}  
(#####(  
##=####
```

0z1me\_qR3/ux5v|lr\_u1eLeT8  
Rf[hc\_p6-VM@""|Q\$.Uv\_x!!??]||%TIB

'██kyP██NF2██h██G████████9Z"██lzi██Y███?████9J████>██:████+███████████████████████████:██B███c███Lw███tK██L███9n██`<  
███|███:██R██M███P███?███aUFL██████████`███H██████M███WRJ██████li██h██?0!~███B1██████2f██X-███3{███H███/H███we  
███1███w██████████████████████q8+i███?███|'███|███\:i██ZE\*██d██████████(██/██████O██+\*██6██Ge!██B███x███HRN[██9███#███  
███;██O███T███+C██q██\*███w███{9███ █████\$███z███[██^v██M███  
hTf███|███,███DU██A██|B██████&██K███fJY██W\*██^#██V██U██3███,██m,██W███Ncl██Vd███,r██████|██████A██{███:███QB██'████  
D██2e +██C/ ██████████a██████|██y0███Q██^██████1  
\*██/██████"███-███|██PDO██!██|BKf3|███9██c███(██\*██|██&██████h██████x██████e██>\_██\$██E██(██Q███L██|██Y███4██████(██F██████  
██\*H███L███|███k██████████████X███|+██\$  
██████(███fE  
██████5███D██████████████@<██\_R██0██,██RH███Z███h███|██████x██+K███d███5███3;███i███G███0mz+Q██W███  
^██████s5███,██{m███#Q1K███mM?███E███q███4███C███b███U\$;███t██S~██████████\_██)~██+██,██K███Z██(██b███V  
d██Y██\_██'██@██V███|██2A███@X(███<██X███+██k██)███A██████████U██ ex██K██VAz███\██5M██C██|███\███\$=██e██y██r██jT████F5  
endstream  
endobj  
41 0 obj  
<<  
/Length 14985  
/Type /XObject  
/Subtype /Image  
/Width 365  
/Height 148  
/ColorSpace /DeviceRGB  
/SMask 163 0 R  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream███  
x███]██t███u██L███4███p███|s███&███\$███4!███&██@KK██████████HC!%4!███(██H(\$1███C███;-██|███,██cvfWk██m██-███d██zX███J███  
(███  
(███  
(███  
(███  
(███  
(███  
(███  
(███  
H██fU███(U███N██,███C███R███0███T██L███Nr███w███|███|███\*^t███\$███  
███i███K██████████O██████████W██████████\a███.F██KA███e██J██████]1\*███S1jO██'██B|██K██.r███\_Rxxq███.███(███  
██████████w██T███O███|T{███D██████████W███8|a███v███&██.bd██GWqb██K██s██ (███"██D██5w`DTD<██|███B███/P1███  
[n███+399███,██r███h██"██j██E███n██████████7██x██rp███j██/███bD#██M██████,██\322██e██████0██L██@███7██6R███  
██|b██U██████Uz███/███ÅA███H5██f██j██1H██|███\*██z██&███(C██p██!)███F██f██████████(███RZ███6██████P██b██).e  
g██|██████@██'██████w\_nj███\_y%&███"P███YoA███T███N4AvK███W███y███Tw7██u███tIB██<███KvmJj███;███  
██\_4██████████S██(d██|███e███n=███+gE███#)gc██,\_███V███a██████████h██████Bf██!███x<███SPÊ███t;███  
u██r███\_"███sO██(KOyX██g>██f███x███7███M██T██████████eG███[██████████8'██████j██1██n██s███ê██]██K██/9███  
███c██████████  
██#k███S██████████n██████vR███U███.e██h██G0███w,i███\$:██████ █████2███B+F██zTKzN██████j██████F██?S███9U███  
/y██9███c███F0██K███nD9^██4███|███'dM██0██XDG███j███Tc]███G███^y%██g{███]███WU███e███j███t███e██████M███  
██!eNY██1██HZ██X███v███{██i██████d██b██4D███h██{██F███|███!██████\$|██████|███q███m███R███  
#██)███b~██████Y███X███r██████FD███P███\*██████?███Q███j██@██-███f███P██T██O██d██b██"Z{i██Y███\_██qG███  
j███t██Q██████████,██q███6██zP██████████YI|███`██9f\*███e██████████j███@███W██████H██Tj██G>2███:██████)███a0██\7b███  
██(███'██jR██4███L,,███KN███@███\_██`██████]6███IK██37██Qm██i███  
██#=███U{██P███=███}  
t██eU███~███  
#s|}████3ec██{███0███&██O███@J███~██=██:██████████\*███@iH███3███aD███j███#███v)███UL██t███F:n██Y███  
███)███F███@M>o.\_███d██%███5███?██████████;V██f0███\$███5███|███aD███);9███w███F███7sg███)███F███  
)██████(GS██#██L███8███K███Z██F██|██zz███Q██+';];███pQ;███-███a██s██e██████████b███.:██████████j███:Rnf███d██g███:███  
6M███;███K██X██\_███\_0███s██jnz███L██|██Qq██K██████IC9  
a██{M██\*██P|██S██████████i██v███;F██0██G<s███P██|6k██y&Eo███W██~███W██+██vId-!██████████ex███YQfeU██\_███Fhl██6██#███  
███=Q███D███D^███#██████████QM;VSS|1███U(██w.O███x███1██████████████████████R███|███~███4███F███5███[9███=███[███  
██n██87M██████c^███L██\$██████v██████████K██O██cE███(O███HU`HZ███N██d{███`ef,███(███P██c███!)███<k]██████████ff███<



WVTmbH=G8`Q\*^gifi\$Xn3/d";Yr9t52C  
Y1`|43J3.((\@vxZEJCBr]cww46n=xUX^#>uuRv  
9<E7:CE(U6PJ@nQ;W5~@,\_\_\_\_z|O@  
jW%--.qUCU#T6)7vv  
c'maÚ27#-]r-C=7. &J|8< }7qK(yk v:|D5  
Da[ K Yg @ ^1oe21(d dE(7mt' QQ- |24 o Hø. K d E n d  
t2 p \* ~5 OM # + > n \ # b r " V . \_ ( ) %  
G U x uD p V l | . F j L ? 3bB r B Z t: R # N K ~ \$ s  
B q 1 < y ( ) O F 4 AK y M7 h 0 ^ M | V . S 3 F p s : r ` & { 7 + ! p F E O  
c k - S \* } q " \_ E Q / A g z a + ) K < X \_ V [ %  
J R q { 7 a : X 9 w ^ y X G C } ? S v O 5 s p 4 7 , K a 2  
b v P " 7 : I T \* ! + T  
' Z & ^ L 7 E , ! h : U y  
\$ K [ a t ' i s % ~ p 4 ^ v + 1 < . r a c p ( Y X n X ~ i o @ % " ~ c  
8 J &  
& x 50 = T 2 y | & ? = j C r (" ( \_ /  
B } KG ic & & z ~ X [ J L F \ 6 2 A P E u I U M J M 7 4 0 8 6 ' I Q f c z  
D b R U > 1 - u J w ` ? | s 3 9 M j = 7 = | & Y \$ ( '\$ L x ' L 2  
z 9 S E ! h @ \ 3 X Õ G X b I b : a { n ! C a S t c Q G \  
z [ 2 H r P I ^ d y 8 P ! ; & 5 R H V s @ y X H q U z Q J Z F Z Y u  
æ 1 # 3 P b m " % . [ 2 , U ] W K 8 G 0 A c y | R \ Y  
x H A + ' h U + z e j d \$ U , U b e % B \ 2 B - N # T K (! s b W 5 F \_ M b w ' A  
T 3 p P X f ~ t y k f Y ' } h v e , I H  
< ( e  
0 \$ < = \$ / ! b o 7 p \$ E A h z d ` # S r B - a Z % Y P T & S M  
1 V } g = 1 A U θ K D 0 e G A x U D > c ' Y Y a " "  
| k f N N B 2 p o 5 R ~ t O ( 4 " J G Y n Y , g O , : o d 2 m d Q Z Z j  
j ! 5 b d 5 1 6 y Z P @ o 1 Y P Y  
R + 20  
b # / r | L t 3 t < a E J |  
\$ t K # A , ; a B , H X 4  
E @ i f a  
y ^ 9 X ~ / Y g L ! L f  
e 9 % 2 w x G V , r [ x ( 1 6 p w , v - G  
' , V < £ 8 [ i x [ [ ! + K y , V , y r , 2 Le \* S T 2 Le \* S T 2 Le \* S T 2 Le \* S T 2 L  
endstream  
endobj  
43 0 obj  
<<  
/Length 15122  
/Type /XObject  
/Subtype /Image  
/Width 300  
/Height 166  
/ColorSpace /DeviceRGB  
/SMask 165 0 R  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream  
x [ ] p w u \_ R > B H K ` L ` - ) > 8 q B B L @ ( & i 2 ! I Y } u I K e [ % [ - [ -  
k Y J ^ k j g ` , r 4 x ] n f v I Q m r k p ' K ] n H \ 1 X N 4 a % -  
ss 9 p ^ s o z g v 7 V ^ ~ f J u J + z M [ 8 y r q ~ - , O M 1 \* m  
4 @ b 4 J w W | > B ? a + ^ ` | b S & b X } - l [ Q ? a Z 9 S +  
\_ S J 4 z k c H / ! Q 0 + C e - { I R . V q v ! K H y E b ) R d r z f 5 & V L -  
G \$ , T w = h J N c | O [ H ; 4 P m d  
y \$ n s & / C J D O > 1 C C 1 T ~ & T b 2 i ? c 1 J W ( T '  
O W % \* ; / v u ' 2 o g e 1 7 0 b ? M p F @ 2 , V p Y R 7 H t " Q G  
B > & ? ! A q M ' P 6 n





[illegible]

■N■.:■"Q■k■5"a■■■■Lz■s■Cu■■■N■[■[■■■■yG■[w■c■Znol■F■%■P■3O;■.O■n■(■■F  
■■■H■N"■!■q■=■T■L■S■b1v■■■{■[■.■t■S■Uk\_@+/■[s■OT3■■■■■■Y■g■g,■■■9■2d  
■■,■■■Qc■R■-■■■■1■W\_■r■■■)■A■Naxb■■■■d■c■U■■■■!■0■nÔ:x■{■S■j■■■#■N■N't  
4■Sb■!■R■ul■A■■■U■|■■■■#df■j■■■■278■Gp■■■%■■■K■i■i■Op[■■■D\_■■■Y■D■■■|e■b■72"  
■:■■■`■■■{■}■■■r\_■A■8■■■'■>■■■■w"■j■1■■■■v+■p■■■a■■■■w■r■(■Jr■■■v■■■N5j■GV[■■■  
■d■■■■p■■■:d■■■ZV■■■v■■■1■W■E■■■■:■■■&lapP■=oZ■+■■■  
[■K■>■■■[■4■\_■v■■■)■■■HR■■■yv■  
F■■■■`■■■;OH■)■■■SZRN,mA■■■■P■■■G■■■■]HS■■■,■■■;9M■φ■■■w■■■3-  
`■y^■■■fσ■\*■■■\$■■■(■bJ■■■[■{[w■u■==Z■z■■■■x]■\$■^■■■6■:"wV■\*■■■|f■■■pS■X■,4■■■  
■■■[(■c■m■9■h■■■+h\_■■■w■/■3m■(■-■■■bUBkA\_■B■\■■■y■■■>■)J■4;■■■P■■■C■R■■■<■■■  
`iw■■■8m■■■&e\*■■■Z!■■■|6■|8uCTb■■■TLV■■■\$p■[■^■r■k<■M;■■■:■■■-■P■■■.■>■■■r■8■3■■■K■  
\*■■■h■■■■k■ξ■■■7mZ■■■Ýx■■■;N■P■■■,■■■!u■T■%■■■p|■■■4■■■K■t■~■S■gB■■■r■■■'■■■s■■■Fe■■■}■OD  
■f■C■8g■r■■■E■■■4■J&k■&■■■'?■■■(■■■;■■■o■{■t■/■\*■R8-■5■DPR■■■7■■■F>b■■■J■k■?■8■■■kJ■k■j"■  
M■■■U■■■^■=Ny■■■R■■■■?;■q8■X■^■■■■rK■■■■)■t'■@■=■}■a■■■L■0■\|■■■6VsE■■■?■  
■G3;■t■■■fL■G■■■2■■■■u■■■ry■■■W■■■7qUa■■■0■■■}■■■[S■■■D■■■N■%■d\*■[3■)■7■■■[■y■A78%  
■■■'■t■4u■8■t8■%■P■■■T■R■|■|V■■■■{■■■■)■~■wy■■■S-■■■v~■■■9q■[■■■[WN■|~x■■■v■■■  
■■■-?■|e■■■|■■■{■P:■N■7n■`■■■■~2■■■/8■■■■W~■c■yl■|~■q■2d■■■O■H■■■|2\$C■■■■■■■:e8■■■  
■t?■8■+■é■■■env■■■}5■jrn|■■■y■3J■r■;■r■■■pP■■■■U■+f4■■■■%■■■J■y■■■nfjjj}■■■~■■■@■"3■■■  
&■■■p■<■g■■■Q■\$■<■)■e■■■t■R■■■-■955■■■H■■■o■■■u■1<■#n■b■u■T■,■3\$  
ROy■iP{■t■3■<■|■%1■U■■■|t■P■■■?yp■■■jn■■■8■■■■gp■Qz■1■■■\C#X:Y■■■■+}■n■'■■■  
■■■■R■no`■2e■  
■■■&■N■■■7)■M■2■■■%■#■■■G■#■e■■■L■■■/■■■(■■■i■■■5■■■É■O\$0■■■!■+■■■e■■■  
L■■■v9■}7■■■)^■k■tX■■■\_■\*■jEM■PQ■■■N■■■6[jtT0■■■]■IL7■■■AnCR■nE■F■■■&■■■!g■■■y■■■s<■W■■■  
Q■n■={■■■■)■■■<[■B■■■  
W■0?■■■GF■■■&[■>■■■V■■■■82R■■■\*■■■)■+■■■dw■■■~■M8■■■G  
mX■5■g■C■■■■\$■6■■■"a■E)[■■■q■,3■)■■■P■■■O■■■:■-■■■■o■\■■■\_■■■TDF■■■q■■■Q  
■■■■s==■■■W■DYW■8J■■■■\_■Rc■y■q■i■R■q■c■{■■■wq|<s■%■■■q■■■;■■■■\_■3-b■■■4■ib■■■|■■■{0z  
■■■2■■■T■■■{~■■■#■}■■■N■■■■Kz■■■B<■■■5\$■MO■[F■■■7■L■■■]}■■■w■u■r■V~■C■3e■p■l■é@■  
\*■■■■^■~■■■■FV■■■[■■■\_B■■■<■DI■|}■■■N■■■M■■■\_C?■■■■[■T■■■p■■■■\*■■■  
E■■■<■■■-■■■]p:■pF■■■3■■■v  
\*■■■2■|■■■sO■■■\*{■-■B1]t■a■■■Y■■■v|■[■■■#',■■■G■■■|T■Zi■sA■|~■G?■f■#■j■■■y■■■&4]■v■■■■K■p  
,■■■L■■■j■■■J@WPS■QI■■■T■■■ZB■4■|■[■■■!■■■/■■■8d■■■s■=■■■■0■■■z■■■■n■H■:p  
Z{[■r■■■/vK5Q■■■1J1ym(■:jR>■th■b■b■■■0■■■<■xBA■■■■U■E■■■■?■■■N■■■L■0■■■  
■■■E■B■■■■&■i■■■5■|■■■JG■}■V■■■<■H■a■g■BX■■■,[■■■6■■■\■■■[`)(■■■y■■■|50■■■?^c■^  
  
■)■■■/z■■■~■■■\_■S■■■w■■■■7\$■c■w■■■<■}=■Dd■]■\■jZ■■■#■■■[■6y■9'■fH.e■■■o■■■\$■■■  
■[Z■■■Vt■■■F■\C■N&;>■■■■,5■\*■■■j■(m■■■S■■■5■■■[■q■8<■k■■■D:■■■B■&|■■■■!■■■  
j■M■:b■w■■■X■■■4■J■■■n■■■Rb■■■jR■■■DK■|■■■/■■■W■■■AAmC■■■\■■■■o■[■z■■■T■■■  
■c■■■?■■■O■41■d■+■■■■X■j\$■U(■m■■■\$■>v)■U&■o■■■W■)q■A■\■■■C■■■c■D■■■M■z■m■■■k  
■■■■K■■■■;■W■■■L■f■■■){■'■O"■■■Kl■Ebq■■■■y■■■x|v■■■■#■■■\*■■■(zgJ  
■■■C■  
■6&■■■?■=■■■{■■■U■■■n■=■x■■■oO■y■R■RNQ\$■8.■■■■N\_■■■,}■!■■■■5■s■■■ec■)nh■h  
!~b■w'■jJ■b■@■■■  
\_■■■.■w■■■e■~■0■■■1■yJ■■■6/)■■■|■■■0■■■X■■■k2■--■■■5■■■O)"■■■P■x■■■c■■■5!■■■&0~■■■+  
■-■z■■■J■■■"■■■\■X■D■1■■■/■r■4■O■■■~■■■\_■<■9■r■■■:o■■■2J#■X\*■\$6■■■i9■■■c■■■n■■■6TD■)W  
■#■T■mH■■■n■■■f■D■s■0■6n■■■J■/■■■,■R■■■jp■\*■■■2■■■Kd■■■T■■■■~9/■JFI■■■{p■5■+  
1+■q■6■■■H■■■u■■■wCTn■cDM8■■■x■u■■■x■■■5■■■Dqr■■■"■■■\■■■#;■,■4■■■6p■■■■?&r■■■MyK■■■c■1  
:■■■■'?■\■■■p■17■■■v;■C?■6■f■|■DX■■■#■{■'■Pb|Tr  
■■■!n|■■■N■(■■■■(■CpMc■XJ■5■■■"■■■H■■■Na■■■Q■■■W■A&z■■■A■■■\$■x5■■■Y■■■o■pB■■■\$■■■  
■>■■■\$■a■■■G■■■+■A■■■G■  
cc~■tr■■■'■■■;■■■-■■■t■■■C■!■w!■0■;■■■Q■■■s■{■|■■■4,■■■Q-■\$■C■■■t■w■c■■■X■-BD■■■NP%■\■■■  
@J\$■(■■■BE■■■|■■■e■R■M■■■;■'■■■s{a■K■W■■■h■k(R■[■XJ■EMs  
■■■-■■■PM9y■[■q.■■■■#h■■■:■%6■P■■■kB■B■■■\_■;■■■%■■■G■■■p■u■  
■■■■8■■■=■■■6/hh■■■.■■■9\_0G@■■■6■■■Åf■■■\$■z■|■■■u^■P■7WE,■■■■O■■■Z■\$■■■H■■■<Ü■■■U■■■  
/■■■4■■■m■■■|■Q■&■■■7Á■s■T■■■`■■■8■^h■■■N^■-■~■■■t■■■z■jnX■OE■■■s■■■&■%■@■|&■"■■■p  
\$■\_■(■  
■K■RK\_■=<■■■b■0■■■■hX■■■2■q■B■■■1s8■■■kn■■■T■■■J■■■5■■■p■■■mh■■■FCKj|■Ý80■■■■s  
■#■x■mE■W■■■■P■t■t■a■@■]@  
■9■■■■FFv+■@■G)■■■■w■U|■■■uH■u■■■d■b50■`mv■L■■■y!■■■C■■■v■■■■F■■■!e■v7\_F

```

[0t|8!c[a],)->4|i+++++$&*[]W$s$9C^`v
(475_&q0]Ef=cH"oMf~ra%s=py@'.AbL8.6'
(<T2OTv; ;pL
(44%wWl+X) @
(yGSWN2Rf1
4::+nPCcW4:ZITC4
){8*
1g-~QL6'\#WvMx?a||o{XP@HiM3[P@
(zRRP@)π
(
(
(
(
(
(
(
(
(
(
(
(R
endstream
endobj
45 0 obj
<<
/Length 27018
/Type /XObject
/Subtype /Image
/Width 675
/Height 153
/ColorSpace /DeviceRGB
/SMask 167 0 R
/BitsPerComponent 8
/Filter /FlateDecode
>>
stream
x%xU8^48e(F@euPQuh"*4Ai4![::N/N7Y:IgO:n
}O{xAUG_=='"H|SqxxT
^Q:K{O{xA!/..LLgNQd}>OŽ'= < ^NDbY
C&^TQ`uuos3W53PZuf6Dkf<D2zEA${TTkn
BwwP,( [1WxjDF[\jBU~)M*"GjCPD<-
p j%J}H"o"<(HH+)
'W9*Um27R\ "" ,ZZs"6"V(AV|==s!!|%QzH++Hr"
+`{3}\CmFdK!\**"C+6K4~Y.D?PVkUkFZjwZZ:U DpvFnL
vv cEt?k>tjjtF3LM,A~8(#!4
0Dzz@H9UM9(Pb[Y(MæYYmss]3cx%`J);AAc==oB@Q10iY
ggw8j+MM{
eDZ??19MrO
RR_oAJD:FNI#PK"w<nkk5!!!|kJv'U
~h(4vk[pCC.>DD IY4Y:U
<wg,"n6""5^#<<[LsJd\&2}LLQrB55O#%%"K
XhavaVq d*PG8~&o @ w? F(%)^d1EdRIk)"TTTTrr2Yg#####)#).
@``7nt] d;;Ezb*h$$$/'/"xKK'&11Y\lj7 BboIKK
hh(i)''^<||M1B3}

```

■"YxD■t■!3?■{■%B■uy■)■a2■6■|■z■TH■QD■u■w■âCdU  
SW■zb■kwg■Fi&■0}■=■>■8■m■\$■e■dl■Tfl■C■4■g(9■d■G■Q■2■  
■TM  
■j■j■g"6■r\*■÷■%■V■3■9Z2=■G■(■\_■  
■~■a■V■l■2|■,■M■"!33■j■F<'■}L■n&■J■]D■?■G■'■2■{■  
9@r■b■f■xi■E<■(■TOOE■@'■s■C■TD■W■3■\_r■Z■'■Jy■l■'■?q■O\*+■  
■P5g|n■vSfH■  
sl■K■6^}u■1L!56■X■H■w{■9!■|■  
.■/|■E-Z■Ab■g\$■zn■Q■Z"H■F\_■\$B■{vGU■=g■e+■1■VJN■d■  
■(■\*■H■9■U■Z■[■^■\*■S]Z■/■j■\*■X■0■c>m■f[■"r■t■z9■B■2■  
<H■y■u■U■H■4H■=;bh■K■)■R■&■L■\*■<L■k■@■K■y■e■U■M!■N■  
l■9D\$522■j■E■8■=■\_■}■[ssNn■9■l■<'■UW■"K==!■S■Gn■LJBh■B■  
■G■!'0■P■h9■g■y.■i}■D■l?■9■!S■]■"■N■M■+■H■o~■K■@D■  
^■B■1■7■H■c■s■H■YE■z■r■Xm■Nh■H■4■sN■w■\■R(J'5■j■.  
■8|■O#m■E■.Os■Wvi■N{q■+B■3LH(■-s~■G■c■\_3■)J■7de%■SOq■1/■(■#■  
q■w■&■\_■-■d■o|C3■,N■)■O■;8■G6m\*■"U■O■F■+■D■l]■K■n■  
■w■:■<@■\*■C■P■%■#■g■\_,c6#;■dv■'■H■Eu\sMl■=■/■?■  
■@■S4■P■v■1■z,■w■w■[ScJ■v■47■=k■e■/■^■jR■HD■S~■H■#2■  
H■?■b■Gn■<\■8;\$■K■#oQ\b■3(■~■"■(■\$FC■C■<■t,&■{?■!■&■ha■-v■  
\■-■\■#■8)■\_■g.■l■Fd■;\$■x■"■R■duDD■=,r■,■8@■Z■%5@■z■;4■S■O■  
■l■sh;■-■}■/■)■C■(K■L■|■<■y■D■O■J\$■r■W■J■D7o■UD■>■@■4■b■  
j■  
■u■\*■33■O■/■\$■3■Wif■U■e■O■=■"■R■G■^+■"r■G■!w`9■yu■"■\_■\*■r■  
■j■":■x■i■(■3--■N■e■Y1■#)ÄHB■L■@8■T5f>■Nviih■F■u■mb■(O6■L?■  
■#■V■{■k■;N■WJ■`p■l■N■\*■NG\_■B■d■!■j■"!■U■S■K■&■  
S■#r■B\$Q■)il R■\*■l&■s■d■~■?Q■QE[■P■v■a■P■\$iX■\$■  
■f0■'■0QG■-■~N■w■Dg±■w■+■l'9D■P■b■b■R■%■4r■lT8r■>■  
■R!■/q.■lld+■3■1■x■x■b`■K0■6■N■6■&■H■R■V|■~1■jp■1■P■Y5■g■rH■v■k:■  
@■V■x(■W7■z\*■p■!■QR■K■i■D■CX■&■9=■(A■S■8■J■v■  
■^■c■tR"■`H■>■\_od■24■4■>h■AA■{■L{■C■>F■P@Q■~■u\_■"Ao(9w■9p■5■>U■!■=■  
■M+■e■;e0■7\_■;WR■D4■U,u9■\■MUX■|■9■J■LG:■0■^■{■em■:7■j■{■  
M■a■R■a■.H■l■H(■b■V■X7■C■yf■G■e■H■1zw■=■|r■~7■aj■S\_■=22■:/■Gt"■e■  
■+■Q■  
■2■^■qPC■4c2■t■VX■P■y■e&■/■&■1■CD■p■(■lDl■Q■Rz■g■]c■G?  
KH■4sT■P■K;:■<3■w/■|?■7■>i■)■;■/\*■J■"■KAt#s■W■A\_■b■5-  
z■]k■6■'c■{q■B■is■p■^■m~■o■=■+\*■\$■  
■[o■\*■&■"N■!  
■1)D■p■%D■O■:■=■{■V■(1■%■9|■A■Y■|■Q■g■C■Aj|■N■|a■/t=■1■Yls■f%  
■O■)■."■"5■\Q■L■!b■>■k■=c■b■!D■W■AC■-5■[■B■[■/■&■S■  
■k■W■z■f■K■&■~J■\■20■n`■})J■DRa■^■Q|■9■\_r■G■a■v■}■m■M■3■  
■\*■r■]b■T7;■:■\■8■%■.P■U■z]^■GUQf[■RW[■\$■0■:r■h■[G/■  
DR■k■7■>|■{■^Qf■\$0e■dv■rh■h5■RAo\*■Q■z■:■Z■\_■^■r■t■  
■U■&■8TMX■O|■\$■<■1t■+■lv+9■n!R%■M!■=■]■/F■1■f■\_■P■?'■(Y)■?  
Npn■(i)ra■~■U■y■=■g'■L■q■Cs■t■8■9■kP■S■#■BN'■z■>|zL'0■"2■&■%■r■  
!■n■)(■y■vM■!■:■Qe■/3■u■=■j■\*■,le■f■B■RO■"■d■~■Cs■+^(C■  
f\■EY?^j|■^■"r■:■#SD■QG■!■mo■m■4■p■4"■]g■\*■e\*■-■3■k■v■lA■)■|>i■F■4■  
■n■l■ch■n■l?■gD■T■L<\*■B■h■P■b■O■R■7m2■J■iO■2t■  
■.i■O■%■l?■@■))■A■7V■ev■ni4■[■E■g■B■S■j■S■%■J■S■@■68/■  
■&■;■f■/■G■)■/■t■"■ND:■S■S■]■.'7■.,■=■.■w■AS■(■X■^S■  
■tt■a■k■\_■B■W■B■p■r■O■m■  
■[t■W■^■S■l■\■l■:■h■`■uCe:N■XDi■1y■\*!>■=■4■t■1■l■B■op■|■cDQ&[Z\*■Avii■9■R■  
■w■p■|R■&■WD■R&P}■9■D'■YE■<■w■@~■Y■ER■t5Q2■+■"■j■N■  
■N5!■iD■Kg■t■L■bN■8t■xCjm■:■^■v■S■k■\_■B1■6fA■u■`■Xr■\_■o1■A■S■  
WR■Z■/■T■U■)A(■B■n■x■>■{■s■u■x■w■U,"0L■j■d■l■<■#■47;y■  
■eEY■!LG"■1■7■&■\*94■mS■O■S■dC■:■l■nSHl■vK■p■q■Y%J8■qx■  
GT■)■d=■X■}■\$■B■N■aã■t\■lkw■3■uBB{■>■Y■t■DM■lE&■  
\*■/v■pX<th■y■J■q■kd?■~■X■^■y■a■R■mP■/8p■P■Y■%?■  
B■c■n■j'■(■/i■g<■E■h■\_■{■Y■p"■LV.■R■c8■Nl.Á1■S■W■v7■=7G\_0■8■~■|■  
`■H■mP&■4■C?■R■Jr■

{m`6"{'=====6g>N({>YjRG'\\  
Dj?Lok+^"S P);}M4@06=N9'8jrrE  
2.5W%#9&|..pC,k3UIvKoo{A{.-BMyx6fii@`ZQVszzv~  
du\*X\*F00&6}~s9#(J%ssm1{I]ZZ{~5~e@H#QXzm  
Ro-uPi|K?>)}ss=FcXIN{g}(5hqFkk?J?KQOu  
|e=u+Y\_R7{55]7xPG3Cp:xxz  
h#e(Lbg91Äc\*Hy\ZLqZoo7w]w!w!)Qq Ov  
G^`a%5AW!J(s),R"/bjyqxhu&rddMhgff5cgb  
O:::{Q:::e8d}YX\_MlziiE|NQht|:::Z`?FwAD  
?`  
IDF35'L Y::^'DHTN XK::b^DPX4J\_aO^H\_9o&::<\%%@  
zT7 ":::::">N++2yy--(SYs5p c^zV|&:: YLm'h' {t9  
M4pN:::jT&7áD::^69N A O+,5E:::5ff|I%  
::<.+::({>RZo!\$6Q9I::g`S::h3Xz`\\G`E\$]ST>c<a`h`v  
VIQ\*` ,, #e::YK`R2j`oG+JX((`9qGJk(Jy`tt#`\*.)}  
\*F-.,k`gi`ùw49(8F|Z`sS`d`H`+Bd`m)@.1`h8G`"Tr`E`F`c2gj`i`  
w`kk`((G`jD`1,X`z`1e`T`p`X`v~`f`lj`h``,`S`tt`R3]U`x`%``<=D6p  
G`M`h`J`Fc`C`F`d`ò`)|q,,L`TN`++<s3!M`w`.  
"1p`o1\*Bx7`G`J"5`ttMS`n.::znTa`d\*L`C`=5Rp`1n`h`.  
JD%`"V`  
O`D`k`  
((8`V`j`A`8b`sF`  
%J`f4`#UD`o`qi`:=`c`U`=++e`J`G`O`6Rc`|&\\U`p`h`Z`8`VR`\*`  
b`m4.K`n`]LI`7`\$`#`f9`nk`j`\_]@ (z8%`xaA`P`LO`A`#`| [~<`" H`  
q`v`i6`o`y`?R`  
Y(P  
a/76`ttZ<EdE`j)s`J`~Z)-%44<x(Y8!`6j`M`O`Ê7  
F`qK-<`!`==`'`c`!N`e,D{s`jkZ`S`5`J`3`z`1`x`\\`"  
{`O`\\`'`E`{b`~`iPTC`..A`ar`""j`H`A`A`iU`M44`\*`g`5?`4,l`@`r:  
E3`A`oYffyy996`T`C`p`\*`M\*`ÄOj`E`r`,`-(E`7Nf`Q`J`k`{`%`D(.T`-`H`~`.  
Vja`^`J`&l0`n%Z`Y`tt`S`Z`2]`Za`LE`::YK`[C:`'`%`Y`  
7`j`A`~Y`k`h?`M~h`\$5`Q1`5`U`Y`N`i|;`<z`8D`^!`j`\*`a`\$`d`  
.neQ,?`x`h`n`\$`T`È`b`WE`C`D8`TUp`S`U`Fa`r`<D`>4`q`H`{`  
C?`j`\*`H`N`N`i`a?`Jm`p`m`\$`d`\\v`fKr`8`e`h`  
`=#`y`'`DQ`e`J`z`d`U`^`x`Q`=`ld`g8  
|A`h3`n`g:!!`S`h`hO`{PR`^`n`z`@`((`G`x``\_`<`#m`J`d`  
Vpc`=>A%``((82R5R`ttZ`z`E`e)!2`z\$zu`%`8`7f`))87`J`+F`f`K`\*`Z`Q`tt`i6XT`  
1`z`#`<((`g`a`@`z`^`<`@`<^`Px`++G`x`g`  
endstream  
endobj  
46 0 obj  
<<  
/Length 21250  
/Type /XObject  
/Subtype /Image  
/Width 422  
/Height 187  
/ColorSpace /DeviceRGB  
/SMask 168 0 R  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream  
x[ ]p`u`Z`b9`&`b;`c5`#n`r;i`rkJq,c7`2n`dF`7`T`P!`H`H`H`H`  
)`\\`CAv\\nw-`KF`uo`F`us`8`Y`o`Z`+yg`%a0`0`V`u`  
\\V`n6Y`R`\*`^`\_`8`<9`u`=rZ`\$`\\`B`A`oMX`kd`Z`b`0r`Q`3`uC`J`-`tt`|B`@\_`Z`  
|`n`d`{`x`  
6`{`s`L`\*`\$-x`3`7`06`<7W\\,`  
Zvh`bq`P(-`&`f`O`a`PW`iè`BφzR&`D`AV`D`c`SSsC`

'r13W7< )bMuc'NffP4=000fYG?ldm0N94Sp60  
a0==7+w.<#E?&kbB[?3<-6MKo z4u!dIU5  
M6==`d/p/xQna[mP|Zh3-M-y3|Zj}X  
!of>h\_)YpmU[i6n6A/A@dDKljW@J@O|G{E0??  
x5ff;;LOu\_d5V6lzV,c^L(sDsqq1=[VDHw8\*  
=&qc\_rP\_x`i`y"!&PB0m`g^|S3A)+x^X`D  
9wC:.\*:yRi%Y`Y`c\*Y<mu`oELyAD`v`^`j,b`h`3l,;P9;U@`t  
fo`a`%`o`=0o`T`  
W`l,6~H`y`69`A`U4y`^`Yj&.:`d`"m@`hT`M`o`4D`&`5`fX`-  
`6`E<<`c`M`8:z`>`OM[`Z`hi`"5`U`Z`\*`>`h`  
9`<`Yj`M`m@<`J`C`6`X`r`N`\*`  
'>9z`e`U,`\$`&`Y`U4`J`u`\\`f`n`fg`ZJ`x`p`eKy`y`J2`6`h`Zl`p`h`a,`  
[`nt}`\*`S`n`^`C`= `#`u`Qg`}]`u`(\$,EZ,hvn`1`"Zz`  
N`e7T`r`c`L`bY`M`\\`SZ`}`O~2{`w`;;`K'U`6R`Gf`W`c`  
>`qSwz` s`?`D`}`y8RD`m&`b[q]V`= `0`F`A`0D`dy`o`r`3`\_`?`|`W`t`gap`  
`l`1Y`[`0`H`+`" `P`y4`[0`;;`8tV`e`C`6`C`g`Z`J8&`x[+`x`  
A`4`VA`^`h`Y`,`[`{`B`{`[4~`=0`M`^`C`?t`-`#5`+`  
x`'2Z`'?`Y`mB`M`U`[`N`x`K`|`o`S`x`h9`}(d`i`5`8`,`  
{`V`Z`/`/`?`h`K?`e`m`m`"]`N)`yg`Fg`v`T`\*`E2m`X`Y`  
jk`v`;;`Q`WRm#i`[`6`k`|`t`u-6`n`(`v,`8`;`~#T`W`D<`UZj`N`  
>v%`[`Y`0<`]`)#U`x`n`3`%`\$`]<`O`|`x`&`x`@;`<`ai`r`-`1`  
wy`~`h`xs`\$`Y`/`x`4`X`{`@A`m`%`g`g`zQ=`  
w`G`HKSS`e`"y`Y`r`}.E;`IW`O|"`/`e^0`E`z`l`w/#`^`"AT`r`x`\_`  
z`G<`e7`'2`)`ku`]#`S`X`y`p`'Z`d)`Y`x`KQ`  
,K`0`R`o`b2^`i`R`"dh`E`mo`U`yL`>B`)  
= `( >`w`]L`xX`W`v<`Z`<`[`t`E`{`n`CJ`Sua`:`q`  
>`j`CG)`w`CC`+`U`Z`{`F`Y`\$#`,`<|`Z`R`  
D`p)`&`x`>`F`x`gM21`h`^`T`Dk`MM`=Z`= `@`F`}`5j`!`B`S`d`  
N`"j`F`!`WE`x`HX<`+`~`Z`\*\$`z`!`@`z`T|`pD^`r`"y`"k`n`r`JM`e`(`>`  
T`Dkk\$`R6`.\$`H`t`k\_`KG?`-`e`?E+`\_z`Yi`T`w`Q`T0n`n`T`  
5`x`]i.`K?`C`d`j/`P`M`u`]`C2`S`y`~`f`82`" <K`(`b+o`ê`F`qz`  
,T`%`UqB`p`K`9q`J`Zl:`W`,`R`f`RQ`k`W`d`:`;Z`F`0`b`N`>`{`  
z(`h`9`Pl`a`K`n`\$`5`n`h`G`F`U`o`'Wt1;`EK`A`&`#`  
Bt.`N`QX%`"K`.v`<`f6f`h`A<`c`;;`3`d[`oaU`#`{Z`&`utD`w`  
{`t`'i`J`E`zf`?`>pG`l`9`))`g`0:.`2`eu`U`5`\$`W`pb`  
\$`\$`=}>3iB`""`=z`A`tqw`b`L`,`,:`T`T`f`^`q`  
33`iVj`2`E`o.`nU`0`P`"P`\*`M`@`b`N`{`0r`\_`u`ow`b`41`kW`Oc/B`  
:.`|`x`o/`.MNZ`\_`a`a`N`E`J`~P`Y`|`H`Rt`m`2`+`];`r`c!`e`WY`i4>`  
4`G`Ug`E`l`\*m`{`;;`4`}`A<`\\`j`E`@,`r`))`ÀK`-d`F`[C`  
O`,`\_x`9`h`A`4`= `"`[`v`#Mc`-`"1s`RN`G`Z`  
33`W`U`:/`5`Rf`it`h`Z`&`W`b`\*`&`~F`5`uS`[`'`/`h!`6`  
-\\`HK`+`6`n`6PC`J`u`OAtl`V`D`^`j`K=`K`{`m`á`lv>R`sol`  
xA`Y<<`B`}`  
>iGTC`H`"q`}`v/`PD`N`:+`xi@`S=4`'\`9`a`D`e`|Z`v`  
1`W9`9`@X`j`  
v`f`4`6`\\Z`{`|`o`Y`?Pd0um)`yZ`S[`g`S`,`u/3`b`A`^9`[6`{+=`p`@6`c`  
YR: `{`^`NFs`h`=e`pg`X0`UZf`+5`|`A`a`KV`%`|`  
i`\\E`x`o[`&`9iC.L`0:`y\$`C`H`<z`3`6`+2r`~`!`K`:`^`n`>`K`C`M`  
.`a`= `V`b`4`S`  
z`y`'(n`ES'O2`<`}``E2`f`5F34l`F`T`fN;`e`,`m`8`L`,`4`L`@`^`/`  
8`k`<S`1`1`LJ`1g:`Z`%/`T`a`J)`P`(`u#`F`G`&D<`2`T`  
:.`= `uY`|`?`h`!o`]+`Y`+`"1f9`7`H#`2`{`}`:.`^`A`h`<`Q2`N`  
x`F<`>`  
-n\$`\\%`^`v`[`3Y`a`)"ix`i`P`5`/`L`F`(`j`t3`J`k`&`  
z`&s`'`#`+`j`J8`|P`J`D`Ô`/`\_`\*8P`+`zSV`r`4`9`F`Q`a`[YP`!`pL`tL`1`S`  
S`z`9ByY`Dd`u`\*`i`ivQz`i`P`:R`]ui`3Q.`6`K`P`Y`|`KB`  
xT`}>3`g`jm`

xk½`H`\*`4C`. `= `J`K`r`H`r`L`T`8`hy`V`Z`e`Z`4`,`a`

```

,#####h#####)2Ê11S\P#####c#q#####DvX#X#####m#####|W#####*)$G2G#####MTÃqo#g(saAKCz
`#####9/9#####xJS9t-#G#?`y#####^#####A<#L2O#####\#g#####\s$Rw6mJ#####4#z2#<#####f#####y#####9%Q
#####&Y#####y.##8E#####~(##X#FrSD8#A#####x#####t#####4#_#P#@'#####IQ%#B#####g#####&{#u#####R
P.{#####e#####U#-#####DD#g^#Z#G{#####$#####-###=B{#####-3#W#####XG#
#####C#####2*#####me#5d#####f#}Ti#U#m#m#l#####{*#####}oqc#2K#w#.#l[#####h#5<#####i#####d#R#####R(2x#V[#####x#####
#####E#####/#[^#####y"#####$"#####DP#^#####[u#####G#####O#r1.f#####l0#####gR#####n#####U#####J#(
#d#####;!#w#x3#6#w#####_#####.Z#ej#####6#k#i{#####vx#b#O#"#####n#\#U#####D#9b#####b
Nkbd#####[P-#r&###J#####Xr#_#%71###!#5#####4#####`#p#####u0#####ryl8l#####]#A#####O#####}V=Q#####}
#####'#####z###`g#k#Y#####*Le###'Vb#l#####l#er#####&#;#V#####r#####d#_4#####>#O#p######V#7###;V#
#n4#####"-tY#z,F#56ilaZ#####l#af73#yE#####S#q1#'x5#####&#c#j###8#####Lb#C#####z###6yû#b#D#####=l3D#
B#####hAuTi#####^=T#K#d9#####'u#####N#@#####V#SL1EHZ###-#c#####+#####fun#3c#]L1#Tv#:/X5#Z7#{"I
3bP1v#####v#@#e6#####b#####K#>#####l#Kk#c#\#w###.##b*#y!#^#[#em#XlsYp#####b#^}#b#/#b*#-#####
endstream
endobj
47 0 obj
<<
/F28 169 0 R
/F29 170 0 R
/F30 171 0 R
/F65 172 0 R
>>
endobj
48 0 obj
<<
/Length 33490
/Filter /FlateDecode
>>
stream
x#####K#-#r#8?#####|3#A#####l{^#e#####t#jx#####+##Y#w#l#####^#l####`0#####gm7#q#####]#####.###?#~#
#5#####9{#s#{#Np#####l#####:#####N#{pu#####l~#n#####H#+#####5A#####T#?5#####0#####A#Y#####(N#####|W#####
%###.4#####@#e#####Z#HO#w#####j#####N#A#}#####\5#1cA#@#####8###E#O#`|###y#####J#####M#####~'F0#
#+#N#####t:#J#####sb#:#N#####-#
^!gz#####2#.-#####co#Y#####o#####Gb#B#B#####t#W#X#####b#####u#####p/IW#####O#'#P#AvS9#oâ#2#L
_#h#H#9Y#####C9#
#####ar#####G#####AD#4#:#i#####cHL#oJ#####sl#####%#*#"W1#s$^#i#i#*Q7+###u###,###e#####}
#####r#B#'#M#&9#e3#####l#####*###|a#####\v#-w#####BX#####Vp#!K#####&#%#9.C7#####!###l#####vz#####
5#D#b0#=######B#d#ej#A#####h###Q#####~###@/ +#####6s###Jz###2#####W#####L##+###;###@#
E#e#a#####u<0k#####m###s#Qu#####Nu8#####u#4#o'###=k#s(#JB#######J#QL#L=u#tTI#####*(#####i#X#####2#
<#A#####t#d#9#####6###;"#6###(#####!r4,d7#u#####d#M#####S#P#3#####É#"###r###M#####9#####6#"#
#PVtd#####g#yx#####Y#k#:#@#####:#####[/###y#J[#\#E#_p#####*#[hSO#####.i#T26#####!###R###A#E#####
6CS#=######3#s#q#k#f#####hR#####`#i4#"#sS#=####J#m######d#hh###n7#P#Ct5j#B-#i#u%###M#?
###+#####C7;##Vj#####q`##^#b#####O#9Z#M#s#;#####;#E#w#z8
#O###########$#s#\#=#r#k#8#####x2#Xl#####R#A#####@&#t#5#h###B#|7#_ow#####u#-#=#U#8###2`x-#q#5#####`[0#
#####@U#8#h#####:#####+#j#t#0#W#E"#####x#####*###J#4#####f<k#####"#z###Y#t#O#####j$###JV7#
O;#dL#####?:#####ô#s#s#[#"###8#t#####Z#>#####n<#(#####F#####t#P#####b8#Y#iR#####%#
#####
)#####
C5#F#p#####u#k#.#_#z#####]#####,#####äx#P#2#Z#)#####w#####^<#{#####N#####W#####0x#Oz#?####-#??#
#]#M#^
###:###a#onF#C#####C#####*#EJo#D#c#8Y3J#=######P#####/#####,4#J#####=#t#U#####YbM#
#%#2###L#r###,###s`#####f#####r#####^#s#t#####g#c#####LvUg#####Z#####th#####i###_#7G#
9l^#####/6#*#####S5#O#x#Kq#####[#jT#####h#_#####8urJO#S7#t#####~
\l#####2#v-#/#&#####[#####fR#$#####(#####)(###0###}###Q#p~#3c#####]###J#####E#####j#*#df#####L#i#####
]M###[#####B#T#####
dW#####Z#2#2#+#f#KI}#####K#_#_c#####G#_T#####Q:###nK###%3#Pi###%##+#####tU3#4j4#####4#x#####_
#####6#+#\#####J#_#%#:m###.#\#_7l#l#####m4#y#####KH#####g#####Y#####Nm"#####u#_#_#'#=######
#e#####`#}#####p`#L#####OU#q#Š#####:#####Q#C#####B&[#####}c###'#####9#####Q#xm%"q#####4S#
z#'##
#####
^C#####x#####l#####4#N#k#####|###?(###7+##yu>pbTq# @>#####J#K#####`.#?###5###)###N#'####3#

```



███)]███K███q███;███dx███`███O3(███&N)███w███c███.wg███w<███{███}███v██████x███jz███e███{███^███vy███{███  
?███.███T███qDw███jky███\*███sv███;███?███S███8███LGz███P███F███:███#███J███\███c)u███u███[███s███  
@███>  
███4███1^███q███8███J███I███Y███X███[j7███W't███j███\███T███Y███f███.███p███]███^?2A███=███O███z███  
N███L███"  
P███v███I3███U███>R███U███k███u███+███;███Ycj{███oc███>p]███8███e███@███:███i.███I9███\$███7m███?███  
███J███{███\_███\_███%███  
███\_G███[GsPs███0s███xG?███]███KA███k#███B███>T███-███b0███o███W5███\_███[███v███Z7.███&███  
,███=███S███HR███]███@███k<███Q███cNU███>███\*███J███LA███}>███G███I███0███w███mV███U███  
███^>███]███\███.███2t███4███w███%███VmQ███b2███p███NAT███Yg███5███g███s███;███/@0███|███@n███  
███r███c███Z6o3p+███q███&███7███X%e<███E███F███/███@███-e3███  
███!███R███]R███"███/███-███J███b:███x0███{5!P7███"K███x7J███I███M███aTGa███CA\*███L\_███A███  
███y███N?{███K███(███Ω███N███%U███|███~O███B  
███%P███|███)3ts███q(███8&███x███H███d7o███og███y███v███uo███L███=███~███e███<███p███\$███b+███+███  
y███+rJ███Yw███('dJ&███β███{███P███:███\███\_L███:███=███w███Wm███A6}███H███\rf███j███g███k███|███  
2d███`███!███,███f███c███1███W███K███E███#f███H███B███d(███<H███%███\*2███t"8███cU███qW███  
███R?y███z)███^|N███tQ███l███t+███9o;███5███jtk:███>███t███K███r███8(███HD~.███(███eB7z7.███"7███LV███0P███]7███  
███s███9r███/███LQ███3███l███.███>███p\_███  
███Y███Ww███Z███]███N███t███j  
rq|███/███)███Xk███?}s███R███Ò███~███9███P███;███e███XGz███wQ███uu}███Y`o███:dY███I███P███k%███A███E███x]███  
███G4███zB███o%███"███Zs███@███'███b███x███Hs███?███o███c███p'███P███b███[███hA███PE███7███  
@███yA>███K███m███|███X███1███C███B███!███5███S███X███'zQxa=s███&I███  
███Eri2>███M/███M]4███tpsJ███Qm███q%h███OI\*███X███M███<s!((███^ul███t███E███K███c███{)███PF███m███k███L███7███  
'███Z`a███E███(\_ku-███>u███\_███e7%███\_VQNj███J}9███H███`███x███V"███Z███U███;███2███m=███.)███9███  
███V███lh███,}███[███W███uU███U███V███!███4███+███2███s███2u███@███  
███X███k███z███Z███.Î1███6███xR███1███VIN███Z███G███{███8gzH███@Q███S███[███6m███1d███c███d███  
LN+███6[~@-t███TO8G███m███Ln███.███h███IH>███"S███t███=███7███V███P/3O███  
w███%0███\_D███4)i███g███1███J]=P███m███o███9n;1███k███h███9███.███i███9F!███L███  
███\_i0███|[-)███v███Q███2███\███!███J███i███d9███\███\$IF███@███8███;A███w███J███T███|███  
t███R███C\*███.███[███;███j~\$4F███A███F███@XR███9███,k███Ou;███%███Hml███7T███  
███o:Z███H███o-███R███  
.███3███k███+Ke███q███T███kuM███Z07  
███F{███i}███v███N███{███[███R]U███,,███O███[███G███e███D███e5███3███/V2███"███[███1(S\*Gp`{███  
f%███V███%███|███\*███0███  
███p███K███j███kk]███w███]███Y███R███7███v███b███[9███!███"Us███X███iM/ZfUi███\_███bb███|███T███@███  
{███H███V███P███n███G███KK███b███=███\███`bE███uG&███BG███/3A███N)███V███F███(███w3███0███#███  
███A███P███(███Y-███E"███Y███{███\_███F███2███)███&IH)███c███u███eF███.███;███vZ███{z███6███  
███\$███#███:B3███\$███{X\$███,0███E███s.███Y███#███a███8███D███P███\$G███EA,███\*W███&z███Z███o███^███su-F███  
███[k2███B███V███FI███v███W███"███g[███uv\*███@E███  
███R███Y███L███  
1███q███U███@A███  
███Z!███?9>u███js███i███9███U███|KZS███O-███Y███D███r███b███{███3RQ███@j███\_6███u███Y███W.00N███)███  
YM███S███kE███r███IC███P███c███"IX%:███B-n-███&███4rQ███M███\$███x███f███a5███zC███"V███V███F███~███'███  
███w███g███tX███>███]███&Ü███\$███(███v[███%███:███.███P"███\_███B+███H███z███}███w~███M?mQ███^███H███  
]]m███\_███]███1J███`███.F███i(oFL███eQ███e"  
███v███V███\███2███V███O███OnsXL-:███?███Lcy3j  
███<███q███"███D.=███E███G███1███t███o4B███^vQk1███z███4███7███f███r███4███x███i███N███n|███  
)███ga███v███X███~7L███b███~]███i███-,███'███qF███@p███Q███s███EL███e███;███h,███WF}███"7███R███Gy███M███!,███n███  
{███P███nK███G:g:███0███={███n███  
███E███L███-4███z███\$███+███V5███,███H███E^███O███Zm███cE^P███P███â███r███v{███  
███I███O███H7███)"2███[3███"i███1███E███\*███a███,███P███2███1X███4███e███z███R███e64l]███T="███-███K███  
,███C███%███@]███SX███àZ███v███+███D\_███k7███h███\$███R███&|███xn███|p&███  
███'9███TfP███1:███mV███@I███Z███R███yKw███x███j███g███m5\$███L███|███&███&███+███<███YMC███à███Q███K\_███%███  
███}███v=R███,███>███Tx███D███x███C███h███YR███WMi███0███.k|███N9███.███p███%███|███3>T███T6l[███12███R███I2███!███  
███\*███\*███3███F███mR███4a███R\_F███%███r{███j)███,███%███"███P███  
j\*!███XYj███{4███;███@███<███ec███2Q.!!\$4R███\*███z███k███3i███5███/███|>=███9███?███j███RKp0███{ZKo███  
e███i███2███[G]K███&f███h███<R!███+███J███4███=███M]███!███v███4███T███C\*███q███d███&███  
███.███z███B███P███f███g███\$███@███,███\$███4███p███S.███?\_███R███p███A███&q/r███k███)(mb███5███%███  
\*8███z'███-(███!(1Y███F███\███E"███U███R|███\$███%E~x███3███ap███j███%███&███5███!███Y███KK███]^^ge^███8███\*███"███CJ███j███"

yA"LyqsSv~K\*:NTbU7OOh7.<7^7\UBI0.[THN/2X  
kNzJ<4aj8!OgOy{R\_\(|5T/|jLNR#vALYt0\*n.)-  
N H\*8;A"IP6!jBTuN\p( %H F D.'x D K0 ETD[; \Pp 9 %  
5SvEmHMCUf5i|2zL;aGW"}\*G:dTUH H5W  
Y""F)C9O0owQslolKOOok!!\*e1)Sn^MSøplH&r  
R^-M6=E SH{HvCRWss  
B RUY% ]( &= )| -W9] | #7B o P?% j b R . Y & S O! ?  
7 EA q H 6 y[ | t L r , e] Va9 DI s6 f( M54" /  
 \_ gE O o \$Qqi8 ! c 7 ) c : 1 e \* " H O I j g % n W K / & \_ ) O . k  
 ! B9 P W  
 ! j h 1 { K w , / ) : h N qm R C / S L f i . ^ R \_ dw t n H ~ > R c M ne z T ? b  
 2 H k  
 K ; \_ Z p R ! 1 u 2 j a 2 ] @ E B e U d j x j N W < [ f : 7 M  
 y F - ) n U H < ~ R d J I W X 6 < z 2 Q n 6 X 4 p J 7 A az ; U D | X X x  
 . A X 8 E \$ 5 s % k \$ # s \$ K Y ' u w n a e E G s s | o J < |  
 B 0 l x 2 n D % i G \* b > b , < H M W l 1 Z U D S 9 | J s r ^ 0 f C W  
 M 0 b v \_ X Ô N ) \_ h F + V { @ | @ Y \$ i B } q X & - > P t E  
 P 6 y m E w W % s n u i ( 0 u w V F H P X e ) { s  
 N H \ > R p < o ; F r S K O V M - Q e y 3 n a b ] ? ^ + 9 q 2 g y \_ X 4 3 4  
 h S Y } f 6 r ) z ' o b , f f c Q A ^ z " ) F J v @ ; 3 V : & v | & S : R ' F g  
 { x p j n t r A | } A " r i 4 n J [ 9 / F 0 @ e M d g F x z  
 n i C J m M H G y t ~ M b M h 4 C Y + \* 0 ^ ? = ] Y [ = j  
 k ? 5 t [ ~ ' c G / G X 5 U n v A W : A I O v # / ( E  
 F & U 9 # - R 8 F T r s \_ ( [ # ! 5 > > H X R ^ x U ~ i E  
 C l x ; P ( h # ] b ' r = L J K ) ' L c ' q y - P 2 J Ty Z } U 6 C  
 . . " T R K b  
 & \_ 5 D ) E U r / 5 6 - { } ) s ' k u b D O p u H w  
 - = \$ Q N ; v  
 y m ) w R ) N H ! w # " 3 % + > o ^ X x | K H f Q Q n ^ @ > 1 J j  
 ] w ~ | m C T Q r ! z A 5 ] 7 < { F O T X \_ D n t t : W 1 # } y e v \* ^ 6 ]  
 Q G + c A l 8 R t s { E } h G | h l ^ . m G k q 1 Z Ñ L . G 7 8 R e F H + ^ +  
 u f F z d 2 x j r . 5 o ? 1 & > ~ 3 L U g a ~ N h  
 ) ( ) m \ ; + { Z 5 ` v ^ ' t ' z 3 f ` J ! | \_ ' 6 M E R = ) Z ] 4  
 ' ; Q 9 & t B } \$ W % D ] < f ( 6 i N g ' ' B C ! l 4 g | ; { k t 5 1 ' b ] F ' ' : # 3 s m ) f 1 & s A e \$ o ; m 1 f @ 3 9 i | L ? V 9 i v < A / \* ? % a  
 m Y S 4 1 = { R } { p j | 7 | + > T P m 5 k f M L e + v k l q \* # + \ n  
 C \* ~ @ C " u z l o T S / a A R q b G l f L X p E 5 k v h 8 \$ / 9 ] . z (   
 y x & D G ; 9 u \ P 2 ! " ( 0 W R r [ 5 P a q f , - | E  
 g 3 a \* i % t j W p 6 , \_ T - \$ s % r x G & g o \$ p ? Q L T S ) L 9 ,  
 9 M K l 1 \* R h Q 7  
 w Q P V j g z y . } ( = V B v { d F % o C 9 L U - Y + @  
 P 2 ; c T & ~ a 9 5 7 & i j 1 P K D # n n d o \$ + 8 u s d 8 J  
 x m d ! ' A ' H D k > \_ v % ? | : 5 V b T v = q l X 3 g s P Y Q } 9 =  
 \_ 3 ? U Q U a 2 ^ Q B Y B @ , 0 r ~ + Z ~ ( Q o C  
 \$ T Z M 1 C @ 3 , f  
 E m + - E r 1 \* x q ' Q T ' 1 i d v M l 8 u ~ @ ~ O Z \* G / | @ H @ > ; k : z R  
 : i & r 1 \ j b | ; M @ = ? z l . ^ ; r t ( ; ! Z s | 4 " ! j Z \_ c V ` L  
 8 m h P h N . \$ q { P J s ? u ? T H E b w ; 2 \* # 7 j i w D n l 9 r r T " L l 2 [ l j i  
) E L T . ) x o / ( e y \$ U ! Q K C d B y l d : # Q % = \ F k j w M J b R Q &  
 + " m ( > X ! D \* 6 I F } " & A { | U 1 ( d d < M & p - l & x X b b 0 \  
 + 8 ( R t F  
endstream  
endobj  
49 0 obj  
<<  
/Type /StructElem  
/S /Part  
/P 8 0 R

```
/Pg 7 0 R
/K [50 0 R 114 0 R 51 0 R 52 0 R 53 0 R 54 0 R 55 0 R 56 0 R 57 0 R 58 0 R
59 0 R 60 0 R 61 0 R 62 0 R 63 0 R 64 0 R 65 0 R 66 0 R 67 0 R 68 0 R
69 0 R 70 0 R 71 0 R 72 0 R 73 0 R 74 0 R 75 0 R 76 0 R 77 0 R 78 0 R
79 0 R 80 0 R 81 0 R 82 0 R 83 0 R 84 0 R 85 0 R 86 0 R 87 0 R 88 0 R
89 0 R 90 0 R 91 0 R 92 0 R 93 0 R 94 0 R 95 0 R 96 0 R 97 0 R 98 0 R
99 0 R 100 0 R 101 0 R 102 0 R 103 0 R 104 0 R 105 0 R 106 0 R 107 0 R 108 0 R
109 0 R 110 0 R 111 0 R 112 0 R 113 0 R]
>>
endobj
50 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [30]
>>
endobj
51 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [32]
>>
endobj
52 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [33]
>>
endobj
53 0 obj
<<
/Type /StructElem
/S /H4
/T (CDS BY THE NUMBERS | 2024)
/E (CDS BY THE NUMBERS | 2024)
/Pg 7 0 R
/K [0]
>>
endobj
54 0 obj
<<
/Type /StructElem
/S /H5
/T (A Quantitative Measure of Student, Employer and Community Engagement)
/E (A Quantitative Measure of Student, Employer and Community Engagement)
/Pg 7 0 R
/K [1]
>>
endobj
55 0 obj
<<
```

```
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [34]
>>
endobj
56 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [35]
>>
endobj
57 0 obj
<<
/Type /StructElem
/S /P
/E (EMPLOYERS VISITED THE CAMPUS TO RECRUIT)
/Pg 7 0 R
/K [6]
>>
endobj
58 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [36]
>>
endobj
59 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [37]
>>
endobj
60 0 obj
<<
/Type /StructElem
/S /P
/E (STUDENTS AND ALUMNI CONTRIBUTED TO)
/Pg 7 0 R
/K [7]
>>
endobj
61 0 obj
<<
/Type /StructElem
/S /P
/E (JOB APPLICATIONS )
/Pg 7 0 R
/K [8]
```

```
>>
endobj
62 0 obj
<<
/Type /StructElem
/S /P
/E (VIA HANDSHAKE)
/Pg 7 0 R
/K [9]
>>
endobj
63 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [38]
>>
endobj
64 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [39]
>>
endobj
65 0 obj
<<
/Type /StructElem
/S /P
/E (UNIQUE STUDENTS)
/Pg 7 0 R
/K [2]
>>
endobj
66 0 obj
<<
/Type /StructElem
/S /P
/E (SERVED BY CDS)
/Pg 7 0 R
/K [3]
>>
endobj
67 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [40]
>>
endobj
68 0 obj
<<
/Type /StructElem
```

```
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [41]
>>
endobj
69 0 obj
<<
/Type /StructElem
/S /P
/E (UNIQUE STUDENTS)
/Pg 7 0 R
/K [10]
>>
endobj
70 0 obj
<<
/Type /StructElem
/S /P
/E (AND ALUMNI ATTENDED)
/Pg 7 0 R
/K [11]
>>
endobj
71 0 obj
<<
/Type /StructElem
/S /P
/E (CAREER PREPARATION PRESENTATIONS)
/Pg 7 0 R
/K [12]
>>
endobj
72 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [42]
>>
endobj
73 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [43]
>>
endobj
74 0 obj
<<
/Type /StructElem
/S /P
/E (INTERVIEWS HOSTED ON CAMPUS BY CDS)
/Pg 7 0 R
/K [23]
>>
```

```
endobj
75 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [44]
>>
endobj
76 0 obj
<<
/Type /StructElem
/S /P
/E (ON AVERAGE)
/Pg 7 0 R
/K [13]
>>
endobj
77 0 obj
<<
/Type /StructElem
/S /P
/E (STUDENTS AND ALUMNI ATTENDED EACH OF OUR CAREER FAIRS)
/Pg 7 0 R
/K [14]
>>
endobj
78 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [45]
>>
endobj
79 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [46]
>>
endobj
80 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [47]
>>
endobj
81 0 obj
<<
/Type /StructElem
/S /P
```

/E (JOB OPPORTUNITIES POSTED FOR STUDENTS IN HANDSHAKE )

/Pg 7 0 R

/K [4]

>>

endobj

82 0 obj

<<

/Type /StructElem

/S /Figure

/P 49 0 R

/Pg 7 0 R

/K [48]

>>

endobj

83 0 obj

<<

/Type /StructElem

/S /P

/E (CAREER ADVISORS WORKED WITH)

/Pg 7 0 R

/K [24]

>>

endobj

84 0 obj

<<

/Type /StructElem

/S /Figure

/P 49 0 R

/Pg 7 0 R

/K [49]

>>

endobj

85 0 obj

<<

/Type /StructElem

/S /P

/E (STUDENTS)

/Pg 7 0 R

/K [25]

>>

endobj

86 0 obj

<<

/Type /StructElem

/S /Figure

/P 49 0 R

/Pg 7 0 R

/K [50]

>>

endobj

87 0 obj

<<

/Type /StructElem

/S /Figure

/P 49 0 R

/Pg 7 0 R

/K [51]

>>

endobj



```
88 0 obj
<<
/Type /StructElem
/S /P
/E (OF UNDERGRADUATE STUDENTS HAVE ACTIVATED THEIR HANDSHAKE ACCOUNTS)
/Pg 7 0 R
/K [15]
>>
endobj
89 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [52]
>>
endobj
90 0 obj
<<
/Type /StructElem
/S /P
/E (AND)
/Pg 7 0 R
/K [21]
>>
endobj
91 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [53]
>>
endobj
92 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [54]
>>
endobj
93 0 obj
<<
/Type /StructElem
/S /P
/E (CO-OPS)
/Pg 7 0 R
/K [22]
>>
endobj
94 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
```

```
/Pg 7 0 R
/K [55]
>>
endobj
95 0 obj
<<
/Type /StructElem
/S /P
/E (OVER)
/Pg 7 0 R
/K [26]
>>
endobj
96 0 obj
<<
/Type /StructElem
/S /P
/E (EARNED BY CO-OP AND INTERNSHIP STUDENTS)
/Pg 7 0 R
/K [27]
>>
endobj
97 0 obj
<<
/Type /StructElem
/S /P
/E (OVER)
/Pg 7 0 R
/K [19]
>>
endobj
98 0 obj
<<
/Type /StructElem
/S /P
/E (INTERNS)
/Pg 7 0 R
/K [20]
>>
endobj
99 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [56]
>>
endobj
100 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [57]
>>
endobj
101 0 obj
```

```
<<
/Type /StructElem
/S /P
/E (STUDENTS PARTICIPATED IN VOLUNTEERING)
/Pg 7 0 R
/K [5]
>>
endobj
102 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [58]
>>
endobj
103 0 obj
<<
/Type /StructElem
/S /P
/E (HOURS OF COMMUNITY SERVICE CONTRIBUTED BY STUDENTS)
/Pg 7 0 R
/K [16]
>>
endobj
104 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [59]
>>
endobj
105 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [60]
>>
endobj
106 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [61]
>>
endobj
107 0 obj
<<
/Type /StructElem
/S /P
/E (COMMUNITY-BASED ORGANIZATIONS SERVED BY NJIT STUDENTS)
/Pg 7 0 R
```

```
/K [17]
>>
endobj
108 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [62]
>>
endobj
109 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [63]
>>
endobj
110 0 obj
<<
/Type /StructElem
/S /P
/E (RESUMES CRITIQUED)
/Pg 7 0 R
/K [28]
>>
endobj
111 0 obj
<<
/Type /StructElem
/S /Figure
/P 49 0 R
/Pg 7 0 R
/K [64]
>>
endobj
112 0 obj
<<
/Type /StructElem
/S /P
/E (11)
/Pg 7 0 R
/K [29]
>>
endobj
113 0 obj
<<
/Type /StructElem
/S /H6
/T <FEFF00430041005200450045005200200044004500560045004C004F0050004D0045004E0054002000530045005200560
/E <FEFF00430041005200450045005200200044004500560045004C004F0050004D0045004E0054002000530045005200560
/Pg 7 0 R
/K [18]
>>
endobj
114 0 obj
```



```
endobj
120 0 obj
<<
/G3 115 0 R
>>
endobj
121 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
122 0 obj
<<
/G3 115 0 R
>>
endobj
123 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
124 0 obj
<<
/G3 115 0 R
>>
endobj
125 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
126 0 obj
<<
/G3 115 0 R
>>
endobj
127 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
128 0 obj
<<
/G3 115 0 R
>>
endobj
129 0 obj
<<
/Type /Group
/S /Transparency
/I true
```

```
>>
endobj
130 0 obj
<<
/G3 115 0 R
>>
endobj
131 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
132 0 obj
<<
/G3 115 0 R
>>
endobj
133 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
134 0 obj
<<
/G3 115 0 R
>>
endobj
135 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
136 0 obj
<<
/G3 115 0 R
>>
endobj
137 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
138 0 obj
<<
/G3 115 0 R
>>
endobj
139 0 obj
<<
/Type /Group
/S /Transparency
```

```
/I true
>>
endobj
140 0 obj
<<
/G3 115 0 R
>>
endobj
141 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
142 0 obj
<<
/G3 115 0 R
>>
endobj
143 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
144 0 obj
<<
/G3 115 0 R
>>
endobj
145 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
146 0 obj
<<
/G3 115 0 R
>>
endobj
147 0 obj
<<
/Type /Group
/S /Transparency
/I true
>>
endobj
148 0 obj
<<
/G3 115 0 R
>>
endobj
149 0 obj
<<
/Type /Group
```



```

x[ ]td[ ]Wy[s[i$[r[ry[U[F9K[ ]H[ei5[i$m[ ]9H[ ]x~`[ ]W[ ]wf[ ]G[s[8[ ]~]
[ ]vD[ ]7[ ]}4#G[ ]qi[ ]UL/wB([ ]P[ ]C[ ]_y[ ]k[ ]
Z[ ]tu[B<)[ ]o^R[ ]{
[ ])(("Q[ ]Z[ ]GU[ ]|B[ ]%[ ]Bc[ ]/+a[ ]+C[ ]<w[ ]
_ [ ]U[ ]=)[ ]y[ ]L[ ]_ [ ]%&'[ ]xp[ ]^1[ ]:6p#D[ ]T1[ ]k[ ]B[ ]
D[ ]*y[ ]*x[q7UTU[ ]PO7/jjj[ ]Xa[ ]u[ ]C[ ]wC[ ]:G[ ]T[ ]PW[ ]*'x[a[ ]
[ ]M6[ ]YGc[ ](7=y[d[ ];v[ ]/)[ ]z!2&![ ];4[ ]H[ ]?
[ ]/[ ]c# [ ]-9[ ]+j[ ]nVsMYaV[ ]Hq3[ ]n[ ]_yO[ ]Y[ ]$/[ ]| [ ]_
[ ]1[ ]t[ ]9v{CUINZ<,[ ]~[ ]U[ ]ihl[ ]Y[ ]`cf[ ]6?'[ ]{ [ ]wwVWn\ [ ]# [ ]
[ ]la~vf[ ]3[ ]n[ ]+/[ ]H[ ]Ff> [ ]b[ ]6[ ]V[ ]E[ ]O[ ]tk[ ]+02.-[ ]3[ ]_8x[ ]G[ ]a[ ]
O[ ]FV[ ]`Ogkc[ ]q[ ]r[ ]u4U[ ]m[ ]\Y[ ]`S[ ]]8G)(*[ ]i[ ]8y[ ]$g
[ ]| [ ]N[ ]YM5[ ]%s[ ]?;[ ]0?3q[ ]X[ ]<[ ]/[ ]d[ ]oi[ ]d[ ]6-B
[ ]V[ ]t[ ]/t_ [ ]# [ ]phhh[ ]DH[ ]> [ ]} [ ]NX[ ]i[ ] [ ] [ ]S[ ]k[ ]/[ ]
wi~aiiq~fl[ ]zU[ ]yA[ ]1[ ] [ ]BMy[ ]> [ ]d; [ ]obiGw[ ] [ ]H[ ]+*-[ ]ohljnn[ ]ø[ ]5[ ]A[ ]? [ ]
)*[ ]UUCS[W[ ]F[ ]90[ ]QO?[ ]S[ ]^.[ ]L[ ]~[ ]s[ ]
[ ]L[ ]r[ ]\ [ ]A[ ]z[ ]9[ ]P[ ]q[ ]f[ ]821Å[ ]q[ ]ueu[ ]# [ ]$?39&[ ]PF;`G[ ]U[ ]%1[ ]29[ ]-@,[ ]
+[ ]e[ ]K[ ]zG[ ]Q[ ]G1[ ]q[ ]Z[ ]
'([G{ [ ]ScC}})=}[ ]C[ ]3$@[ ]u[ ]<[ ]3s[ ]y[ ]}b[ ]A[ ]s[ ]
[ ]{ [ ]$[ ]x[ ]x[ ]#g)[ ]Y[ ]&l[ ]o[ ]HK[ ]*[ ]O[ ]#?[ ]@ [ ] [ ]NLN[ ]Z[ ] [ ]: [ ]= [ ]R[ ]
<=B[ ]o[ ]vw[ ]7[ ]A?[ ]8[ ]% [ ]0C[ ]R [ ]/[ ]Z]] [ ]~tm
v[ ]D[ ]nc[ ] [ ]Fr[ ]LD[ ]7[ ] [ ]xr[ ]T[ ]hSS[ ]HM[ ]# [ ]} [ ]"R[ ]H[ ]
[ ]< [ ]q[ ]([,#[ ]'[ ]? [ ]>*[ ]o[ ]J[ ]*[ ]$[ ]FUFVVJ[ ]o[ ]o[ ]^ [ ]r[ ]nA! [ ]
[ ]D$[ ]G[ ]j[ ]0[ ] [ ]L[ ]AMo[ ]B[ ]`gce!aGAD[ ]f[ ]60[ ]9[ ]V[ ]E[ ]eS3[ ]K[ ]{G7[ ]Rp+ [ ]`d[ ]&[ ]
[ ]6[ ]TS[ ]h[ ]C[ ]@ [ ]W[ ]Q[ ]Z[ ]9[ ]x[ ]G[ ]8[ ]e[ ]5u[ ]P[ ]_W[ ]SG[ ]D[ ]>o[ ]
[ ]h[ ]y[ ]9IG! [ ]s[ ]t4UU[ ]F[ ]{+W[ ]C[ ]74&)[ ]QT[ ]_sw[ ]H[ ]a[ ]1 o[ ]T[ ]
#=[ ]3+;;[ ]RG3[ ] [ ]Q[ ]b[ ]V[ ]dP[ ]z[ ]% [ ]5[ ]n[ ]h[ ]%DM[ ]mHed[ ]3[ ]Q[ ]> [ ]~&[ ](-u[ ]{-[ ]*[ ]Zs[ ]*
E[ ]< [ ]i[ ]Z[ ]=[ ]C[ ]*[ ]! [ ]$[ ]?>w[ ]0[ ]hmn[ ]v[ ]hm[ ]]# [ ]sK[ ];[ ]3[ ]Bf[ ]||" [ ]wo
[ ]:[ ]y[ ]F[ ]&fd[ ]V[ ]54[ ] [ ]p[ ]4½[ ]Y!v[ ]LSCCKKG[ ]8: [ ]W[ ]a[ ](s4[ ]G^ [ ]z[ ]RnHP[ ]
[ ]5[ ]} [ ]$[ ]JF[ ] [ ]! [ ]5" [ ]> [ ]h[ ]J[ ]; [ ]' [ ] [ ]UV[ ]BQ[ ]4[ ]` ( [ ]AP[ ]x[ ]/## [ ]
j[ ]D[ ]3
i[ ]| [ ]'[ ]{xn[ ]BNrL[ ]=[ ]PU[ ]\ [ ]$RX[ ]` @6[ ]yP[ ]-[ ]'[ ]!+[ ]c[ ]D[ ] [ ]; [ ]J[ ]
[ ]A[ ]3[ ]W[ ]<s[ ] [ ]Q[ ]ohbae[ ]6h[ ]i%BZ[ ] h8$4"*&YRL[ ]: [ ]09[ ]X[ ]π[ ]$ [ ]f[ ]B[ ]k[ ]
[ ]} [ ]G[ ]k[ ]y[ ]~. [ ] [ ](*& [ ]G[ ]D[ ]7[ ] [ ]DG[ ] [ ]
[ ] [ ]9[ ]M[ ]+)* [ ]6~[ ]%#( [ ]y[ ]+ [ ]W[ ]B[ ]D[ ]_cccc[ ] [ ]`m[ ] @oW{ [ ] [ ]4|([ [ ]
C[ ] [ ]Lr[ ] [ ]k[ ]; [ ] [ ]gJ[ ] [ ]Tk@z[ ]T[ ]y[ ](hi[ ] [ ]Hx[ ] [ ]
[ ] `G=[ ]3'y[ ] [ ]M[ ]>[ ]? [ ]$ [ ]:Ro[ ] [ ]d[ ] [ ]6[ ]w[ ] [ ]i[ ] [ ]opx[ ]CDV[ ] [ ]r[ ] [ ]F[ ]nFMee[ ] [ ]Cv[ ] [ ]9
[ ]B[ ] [ ]S[ ] [ ]j* [ ]k[ ]\ [ ]B[ ] [ ]$[ ]q[ ]Ner[ ] [ ]j[ ] [ ]=w[ ]X[ ]{Y[ ] [ ]> [ ]q0[ ]7[ ] [ ]Y[ ] [ ]6% [ ]ya[ ]Bv[ ]J[ ]
[ ]D[ ] [ ]K[ ] [ ]<6[ ]} [ ] [ ]i[ ] [ ]} [ ]g[ ]K[ ] [ ]> [ ]gVC[ ] [ ]G[ ] [ ]9[ ]T[ ]B/[ ] [ ]% [ ] (lf'9(f#+y_ [ ]3[ ]
[ ]i[ ] [ ](. [ ] [ ]@ [ ] [ ]}Ö[ ]} [ ]L[ ] [ ]+ [ ] [ ]g[ ] [ ]τ[ ]FJ
[ ]xT[ ] [ ]~ [ ]@ "a[ ]bm[ ]}b[ ]9sd~ [ ]$+12[ ]8[ ]*
Φ2[ ]T[ ] [ ] [ ]: [ ]f[ ] [ ]; [ ]
[ ]r[ ] [ ]A[ ]g[ ] [ ]s3[ ] [ ]& [ ]} [ ] [ ]_ [ ] [ ] [ ]# [ ]Q& [ ] [ ]k[ ] [ ]Hg[ ] [ ]@JyX[ ] [ ]g[ ]Aia[ ] [ ]7[ ]
[ ]k[ ] [ ]% [ ]5[ ] [ ]$ [ ]KX[ ] [ ]f~V[ ] [ ] [ ] [ ] [ ]H[ ] [ ]T[ ] [ ]ww[ ] [ ]uC[ ] [ ]B[ ]q[ ] [ ]4[ ] [ ]>z[ ] [ ] [ ]a[ ]

```

-J

w}J{H+v'3d\F'Q|(E9Y&y:Mm9^:JLG1( (!  
a\_yxk\_s3t6V\_N&J @j` \ % r =0  
Jj:V4+^pOZ|KsSP[jd5ro<q:5f3o/f64~)[gG8  
i}v908x}E]

x| "Vv>A8w:;3~T0^ \G/) ,/-@r#Cj7  
%Tz8FQ%V<IT`I9kdnk[ -qE`f~z"Q Pb==EE9|vtw?w  
"8xG@>Y4}}M`h`x4D>S-xgAxAxvG0q)yL{'  
|IG0de31y#::v6D6f\_

#+'YZ\T F E ZQ`  
/S%\$st EU`qJb9!44XR^TBX,)   
Krr2&(?/((J`Q` \ | & b1 | \*( @ / U w%<:6>9K  
6P<<k\=) } Å\$19q3Z\*H  
R- T LXA)4\_ u7y5 |

d  
E'r'nJ #CJ!nF!Y>PXc oLUIdaC!o  
;kK^rr5UcT Q Wg# gh^H60DLLR\_WG7<mAW'  
!5!JP U`YT8" Cl: \ 4~{x\$>q1mr&9pYM

endstream

endobj

151 0 obj

<<

/Length 2552

/Type /XObject

/Subtype /Image

/Width 140

/Height 140

/ColorSpace /DeviceGray

/BitsPerComponent 8

/Filter /FlateDecode

>>

stream

x}pU H|bTBIFe,F E Z~R e(`G?Z:"M#\$WZ2 N L0TQ&| =  
Fp s=( -p )31\qq>\t \$P8` N rml B}Wa i c6E  
x0~|7|p6) Ea EC Iz`" /so; ]K'dCBa axPv} n,Y |#  
P \$ e Z b v c Z| ?QP` u>3)m!Q "RR4 \_ R gB:3W ( ) Ikmm  
fY44BZFVbR5K-}x e-A / bN = /DMC| v m Q{ E \ ( `X E ~

endstream

endobj

152 0 obj

<<

/Length 14589

/Type /XObject

/Subtype /Image

/Width 397

/Height 185

/ColorSpace /DeviceGray

/BitsPerComponent 8

/Filter /FlateDecode

>>

stream

x}wT \ >; ] . \$ \$ \$ \$! % q'b'. :y~)NyN}I NAsg y  
&-U Z[ |NC + % \_C; a  
oJL7p F? !EEEE%L . | \*| u B TVVV = . vC` @F84x)\*\*!5UU  
q

^?@B % |2-57 ZZZ ---MM "

Jh`nnJTtCp (#P G k ZC jii oC tuut4#H#1

\4M HhJ: n A P D J y PU 70042266 l] tu 44 T zT i 9

R?O C ==XN V T & U :e[m z \ ( \_ ) N A3751



p2p8)[550[1a-,%RDa pB| %d h# e4t4  
X(JS p8'2F F k 5h5C\_n\_Pz M455bGb'A H>D u(% \_ZV^ M  
D /PO w w JAA LG \ } 9 y < g  
RU < k \_ IRP M [RW Ox R ? G'ff d & D N~ } O}+  
=E~ G~K ; WN ) o \* yx { ? < GE B a +0 7) < [j\* \$ > \ \$ ] T 2 W \* M L - 70  
L } t w / \_ x r G e TWU 2 ] b B b ~ s z P e. F & 4  
G\*  
S 7 04 ' V D f yp J5H / D wt" v | { 3 t cn5 m & = # & \* \_ !  
endstream  
endobj  
153 0 obj  
<<  
/Length 12761  
/Type /XObject  
/Subtype /Image  
/Width 369  
/Height 121  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream  
x yXS ~ \$ @ s e APF D TT & Ed62 q v N l5 l s H  
2 C E % ee U5 , j \* J | ^ 1 " ( j z Z v a eq d \$ ]  
x "\ U 8 6 - NS \* D < m Q E A Q , TME ii 4 X AA g p e W \*  
{ C < Z { D + . W , ( & \$ = : L Ø > i bail1 # x-uUe yyB g ; A Q ) d > ^ <  
t & \* \ 3 i ( ~ / F -  
" v & xh2 U + L ws 0 = F FN  
M fg & 0 l R > ) NK ` 9 Y Cc + + w g & F ; X K , \* 1 r QR g &  
W : Z e BK \ ^ hm \_ S { ^ n | " D e nkafnm  
a B 9 bw m -> A < z y g W NK X i T3 # d \_ A < k3  
c m , ! ! ! Y - ) | @ Z <  
? z Y YM ( \_ , " k @ 2 9 X . 1 > P G : , 23 . ( C @ # >  
j E r f PO [ S O 0 1 Q l \ ' H M Y n \_ P n r 2 b V '  
j " , 7 G B H u ov 7 T L 5 ! p Zn > = q | X g L , G @ zr0 A 2 ( { p { , N  
r # p Q W HD d D e A | ( ' l 33 a ( C B [ p ` @ n # p %  
U 7 l \* q P 0 O s a JK6 \_ q  
Q KB tz E > f C n L \* X o 271 \ k P 0 .  
o y w j 7 x 0 ( j \$ | A r q e L k @ M \ Z @ \ B Os  
lk  
H { 1 c . Q \* 6 \$ Y r ` h % 4 x K 1 < j G ~ ez  
4 3 ZI2 \_ U c < } n : 4 ] M @ P 0 L - En " & >  
R q : N u < p O + w ] i C . ; + D t < KB 3 ? 3 q ' ( : @  
WT + Q h ? n ~ ' O ~ # 5 ~ p , { S > p ( R | \* . " E 6  
W) 6 z : X S , l h . n , O / o ? ( P w 9 C = L R 9 py8 4 2 K p \_ G J | P # s C  
? y o b d F8 - 6 kiki p8 6 ^ @ 2 c ~ c j { m ð & @ Ed b ] : q T d n  
k ! 2 d B j W q M ZZ x . @ B W 9 k > ? p C & \ x } e Q j O J \_ v  
Y ^ # / ( ) X \* G > < \ S ! R A } N . t Ho G K c B F 0 t x m NC d 8 T -  
u C ( ts / & T M P 4 T | p 4 # Y 2 \$ te 751 9 E Q - ( T O DO E  
4 N ? q " ? 9 < r 6 y C o < Ev R / O 4 z / ' #  
( IOG K G hf @ m O t l % 7 F FG . tw 6 g ' F h \_ ' ; H  
) 5 o ? q aol6 ca 70 \ M M A y  
J g # 7 B G @ A V W S U U Y uc | ~ S O Y o W Po NK  
d 9 B U # , B \$ d x m m ] F ( Y P 8 q n " g @  
% U u - } c K O tu z = E j k 9 T ^ 5 # X - LL ] { 8 } { z { { ; 5 vs 4  
r 7 a : X k \* 1 g ; S [ i L ;  
t gz @ 2 p / G K # a P P 5 U m u { q y M C M M M \* e W v É U D s J H . ( \* 5  
N n ! 7 55 m Q ' / ; { : O } M u 4 W ^ P L ) ( 0 / ; = ) 6 < B \* L 4 z c R  
d : B w @ S \ X " c 6 \$ \$ 6 % E G c e + G Id K g & p Q ( ) \*\* N n l n E

```

1]v p6 u5Kvqy( dIB& % liv 1 -b k/!k<3Zx}
BoEQ)+k j JrSAjR8} *Q 2 $cS % F ~e]p pS fRQ L21 XQ h6T+ 7H [
|' p n b @ p J8Di P# E b b ? /8 jj" su b | J u K x x -E!
QX 0 YnP " , @ v & m t ! " + U @ + J VR VW e X q X Hh H Y alp
$ & ( @ @ ? Q pc + O ) / _ " j Q JMBa Cd 0 b f z p k Z + ( i V4
Y < + 6 " k 1 t } K y m + 7 | ` PZ sMd y [ , " kX e
endstream
endobj
154 0 obj
<<
/Length 20562
/Type /XObject
/Subtype /Image
/Width 450
/Height 188
/ColorSpace /DeviceGray
/BitsPerComponent 8
/Filter /FlateDecode
>>
stream
x w \ ? ^ e e d D D ! * * " " *

```

■\B■@O■|■B■'DG■'+F■K■[■A■#■A?■K■YXZ■ú■U■~?■y■x■i■}  
2■|■8■9■7■i■!■"■~■}t=Gz■n■G■RV■\*■L■UL■9■>LX■|■\$■C■8!■  
\*)■v■\_■7■!O&P■U■<■C■G%■"■<■&2■?■}u■CEM■A■=■E■Q■5L■o■G■n■  
q3■?a■.IS■3■u?■%■dp>■}■)■S■W■\■M■B■&■9■y|■\■  
TmL■\■q■x■W2■m■s\$@■j■>■vc■<■8T■TF■~p■r■t■D\*■B■s■4■"■J■  
■W8^p■\_■"■"( SSD■Qi■W'■%■hzD■,■+■5■u■f■DPL■)  
■E  
N■V■AZ■ZFI■.8■D■0■6Kk x■k■W■wO>■\_■\_■~■=s■^■/\_}  
■T■=)■">|\_■b|■"■L■?/q■w2b■|■%■=f■;■/P■3H■.■7(■p■E:~  
■EK■g■THH■&■)■0■R■5■t■Y&■6■^~>3■iH■v■(■t&■m■r2■k+■3yJ1 ■D■)dO/■5■Ztz~  
■r■P■  
■///■AZ1■E■T■\*■m#Gl■"■E■3■q3q■3■:■\*■@■?\_Q^■q■f7vn■a■S9■  
■O■v■  
}■n■5■X■wo^■a■;vt~;D■E  
Pp■?}■|■!4}Hu■@mv[■W■-/-..■UZ■XSK{[■N;■t■y■g■9?■p■N■?■gw■|■  
■DwP■  
■<■f■?XXZ■Q■>■j■MZ■d■W■`■aM]■#G■5■M■S■  
■'T■^■?■(.1■\_zX■TQ^■`GVj|\$t1■433#5■1■%29>■T■  
■t■WXIRZQY■&■z■(  
3■\_■^■#+%■s■,A\$3■G■,Y■B■\*■[■N'■^■G)~S■j■@■f\_e■i■A~■ffV■  
r■#■|■^■"■J■wd%'■'■edf■\_■ç■b■w■C■e■XW■`■  
■)N8z`■'■9■)}■'■T■!~■N■V■ff■~B■8■;■|■f■m■GFEE■3)!!  
■i■\*■j■%■  
■1■~■q■)  
■C■}■0■X■5i■(■t#■t■jg■wtp■?s■:■~■w■  
%mYZYZY■L■w■\_■n■7■z■-■M■Dg■;S3■f4■VtOY!;■#■,■s■  
■lr|■.1J■KJ#3jh■A■|■SSS■SHxW/■t■5■./■N■&■\$■}■elfe■,■e  
y UUm■khh■={■j■hf■Y{Z■&■v.■|■%■~■cs■F■K■w■!■e~  
■3■yf■B■  
s■g■7n■111>>:2■g■7G■8■C■PW[■&v■C+■=■  
■]■=■u■h■"■t■U■d1■%■24■@■(Lf■j■\*++\*)■k■AYs■P■g■b■  
■xC■u■O■>5■hltddhp■sgN5■D■B■eT■:■,n■X■R16■10■`;■%■/■A  
■A■\_pT■\_■0■G■/8■|■~■EqnF"dD9■4i7■w■v■K■.■{■>K■>;966:  
■0■y%5M]■w`XlrV^qEu■/■~■k■?■\_p■%■?w'■  
B■h■[Tz■o■g■'■k#■Co■3■S■.y■!■RS■.lf■f■^■"■3■vW■j  
■G■!■\*9■g■~■Aiy`■PGCME■-■9{■D%■m■]■@Ccs■3■\*■\$  
■0\$&9;■Hc■M■2■LO4■KQ^FFJR■jh■}■"■R■v■W■:v■b■{■E■z■Y■q■  
u■Gy■:P■m3■g■9■]■m■<~■D■t■{L^■qi■J■  
■)■U■f\$■m■A■hk■MP\$■!Z■Vv.Hx■8t■DK■g■i■8}■D■u■+K■wnOK■G  
■j■OPdBZN■55■"■j■&■n■yE%(■IX)■3■(■/+-!  
■(■8YB■%■S■o9■E■f■\*■WS■-'■(j=■|■Xá■d■`■  
;1BJ■{■n■0B■pWIYyy■9\$■4n:■odn■}gqIEU■[N■2■=p■h■  
A■\■c■r■K■+■ij■\$■;z■=e■v■d■C■h■o■h■p■w■j■H■V  
■i■B■s■M8■#b■S■3■2■p■F■Q■9■;■T■b;■z■E■%■.e■+■,■2■@■  
j■;■!DG{Z■FD■%■AzcJo■v■R■#B■a■b}■<■e■8z8■ZX■9■EF■%\$A^■HOK  
■C■Y■07R■3■[Nutu■SrM■,q■q1■Z&■z,■s+[■L'!■@■8■  
■eVxu■"V|c3■o@PXDTI<f■D■zZ■gC■OK■/■  
■BC■!■:■qXxhd"■t0S■h■-■9x■DKk■FH■o■YT{vdIA■t■X&■l;■CB■m■  
■ghdbjai■<■PM{[■t■A■1■'■UL■9■v\$■9■]66■9v■\*■p■'L5■D■k■  
■  
■a■3■eS■E■L■h■j■Q■V■,■#/■e■[q■P  
@■.■\*■[■D■  
■o■C)■!bG[W■eljjni■R■Imm■!6h■9■q■V)■AQI■y■U■W■kgVR■j■bL■`■I.MR■9■  
■Yp■V:■>■m■@■F■H■@z■\$■5■e■m}■s■|■]■m■E■j■j■\*v■g■{8■,■  
■(2■8■G!■=■.■<~!■\*■C■%■i■!■u■@■J■\$■  
d■@■&EE■KS■Wb(■t■)4■Z■L■V■X|H~■\$COUU■0■6■)p■g■E■a■(■.■\*rw  
■2■K■|■i■;  
■wdC(■-■R(|■X■  
■?^Y■7■,)■\$p.■Y)■"■8\_■"YO■8A■|■

■|Cb■■■■■■■■■■,F■■■■■■■■■■y■■■3S■■■■■■■■■■]■L■t■■■Y■[D■■■■■■■■■■u■■■■■■■■■■;■oC}■■■T■■■■■+!4■■■■■■■■■■5~lre■■■■  
bd■■■■3■■■{B#■■■■9■■■!(^■■■■■M■■■■FP■■■A■p■■■■■■■■■■■#■QJ■23■■■■■■■■■■&1i■■■dA■'■■■■■■■■■■b■■■T■■■■N?■■■  
endstream  
endobj  
155 0 obj  
<<  
/Length 12225  
/Type /XObject  
/Subtype /Image  
/Width 281  
/Height 168  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream■  
x■■wT\■■■■■■■■■■0■■■C■ z■ z■■■■■■■■■■! ■!\$QEG4■■■M■■■■ ■■■-■~v\■■■■■<'v■■■■■■■■■■/■|■■>■N■■■;3■|■o■■■■■Z■■■■v  
[■■■  
■{■ED\5■■■G'■U■■■WL■O■■■!Qg\_■■■@■P■■■■■■■■■■-■■■\■■■)■■■■■■■■■■[■■■^E\$■W■■■■■■■■■■.H■■■))■="%%■J■■■T■■■  
l■■■vW!■2@■■■■k"\*.■"H■■■u■■■Y■■■■■■■■■■A:■■■■■■■■■■0O■■■■■■■■■■T■■■-■\*/■■■■■&■■■■E  
iqTNNN^^■yy999■■■■H#L!B}v■■■■H■S■I■o\_■F■i#-#{■WG^■■■■4■U■\*■\■■■,■rr■  
■■■JJ■■■\*H■■■■■■■■■■q6R\}■■■F|Q■■■■J■■■■■■■■■■N■■■  
■JH■■■\*■4■'■■■■■Q9y■%■%e■U  
EM]]]CCC]]]■BQUQVRR■■■!■■■<5B■■■2■■■T\_T\_k\$■EL■■■■■■■■■■■■■■■■■■■■fhdlijjfnaime■■■wtrrvvqE■B■■■R■■■(\*■■■■■■■■■■<■■■  
■■■t■■■2■■■■■■■■■■q■qq■■■o■■■Z^~■4sZrBt■■■■■■■■■■>■o■■■cl■@b■■■\*■U■■■..MO■■■■■■■■■■vaX■■■U■■■cl■■■`0.7■h■■■■■■■■■■  
■■■■■■■■■■t■6]■9\_Q■■■`■(■■■■■■■■■■b■a[[[ksō■■■■■■■■■■0?w■+■#]■i■G■P■■■66r■■■■■■■■■■z■an■■■&■X■■■■■■■■■■  
■p■2■■■r■■■"■■■q9■■■■~8:>95=516<x■■■zM■■■■■■■■■■P?■b■■■-U■■■■■■■■■■■■■■■■■■■■7jN■K■■■qa■■■■■■■■■■#■■■@b■■■  
■&■gH■■■■■■■■■■tf■■■Ò■■■\$wTh0■■■?|■<■gl■■■■■■■■■■3■■■■■■■■■■KC■U■■■F■■■b}■■■■■■■■■■3c■■■■■■■■■■J■■■sc■■■A■`■L■■■■■■■■■■  
Y■\_no>zpov■vW■■■S■■■■■■■■■■j7■1q%aK■dg{cmiv|■■■■■■■■■■n\*0■■■■■■■■■■5=■poiY■■■■■■■■■■Po■■■@r■57■■■RWQ■■■■■■■■■■  
■■■■■■■■■■2'r0bb■m|~■■■w■■■■■■■■■■W■■■■■■■■■■#■■■g■\_X■■■@%■P■■■|g{■■■■■■■■■■cD■■■;■■■1■■■a■■■■■■■■■■W■■■■■■■■■■S■■■  
■■■Zh■■■■■■■■■■%■■■x■■■}d■■■■■■■■■■4■■■?■/■,■■■■■■■■■■tu■■■45■■■4■■■(O#)4■■■%■■■■?,&)■■■g■7■■■!0{N■■■%■■■■iC[■■■  
■■■H■■■■■■■■■■z■■■■■■■■■■c■N■+3c■■■pf hhhbnE■^■■■,■rr■■■!G■■■■■■■■■■h■q■&>]■■■■■■■■■■[■■■PU■■■:■■■Y■■■G■/V■■■  
■■■G■"■■■Or■■■0■■■■■■■■■■?|■■■+■v■■■■■■■■■■E■@■■■"■■■Uqap■gibD■iR5■■■\$[■■■■■■■■■■"n■■■[■■■■■■■■■■\$■■■u■■■■■■■■■■^03  
g■■■>■■■11{~\■x■t■■■I■■■■■■■■■■{||D6■■■mp■■■|■■■t5■■■)\*■■■B■■■&■H?h■■■■■■■■■■A>■■■}]■■■^o■■■■■■■■■■8■■■U■■■  
■■■kS■T■UT■■■S■■■E■■■j■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■a■■■>■■■.■t<■  
■■■P■■■4■s■■■■■■■■■■'O■>■■■x■■■87356<■w■■■6i■■■`7■5■■■%p■■■B&t■D■■■++■■■|i■#■z■■■7■■■s■■■\*:2x■■■■■■■■■■;+■■■  
■■■■■■■■■■'■■■■■■■■■■]m■■■7■■■A■■■f■■■:■k+A■P\_7{K■kf80g■■■■■■■■■■W■c■■■^■■■■■■■■■■!dj■p]■%■■■■■■■■■■6■■■\_fP■n■■■■■■■■■■  
■■■@r■■■~■2■■■■■■■■■■(J  
■%■■■0■■■d■■■~■h■■■■■■■■■■ct■7=:■■■Z■■■|■■■)■'3-599■■■~■o+■f■9■■■Q■N■■■KJ■■■■■■■■■■qS]u■■■■■■■■■■!OK■7■■■0vd■■■~■■■  
■■■■/■■■ed■■■a0E■z■■■Y■■■i■■■■■■■■■■`9".■MV■+■■■■■■■■■■o■■■.■■■@j■■■x■TAfR\DH■■■■■■■■■■w7■g■■■■■■■■■■G■■■A6■■■\$■■■,■■■  
8■■■{8■■■■■■■■■■i■■■)■■■■■■■■■■`■■■■■■■■■■D■■■■■■■■■■  
■■■,=■■■■■■■■■■x■■■■■■■■■■m|,5■V■■■Mf\_■■■  
■■■@■■■■■■■■■■zm■■■■■■■■■■Ž■■■■■■■■■■  
A■■■<■6■■■g■■■■■■■■■■k+■w■■■\■■■■■■■■■■wg■■■Öq■■■-■K■■■[■`■■■■■■■■■■U■B`q0w^■■■\^8■■■'■b■■■|■■■H0■■■}■`■x■■■  
■h■■■ap■\_■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■K■■■&■■■■■■■■■■6■10■^>■■■|■■■vaX■■■&■d■■■U■■■\■■■■■■■■■■V■■■■■■■■■■,■■■K■■■~■■■  
■■■■■■■■■■ho■■■■■■■■■■■■■■■■■■■■■■\_ZY■■■■■■■■■■O■>■■■y■■■'O■■■m~■■■]\$■■■■■■■■■■oma{o■■■}O■■■■■■■■■■))}■■■9■■■■■■■■■■YWO.■H■■■r■c  
■\■`d■■■P■■■■■■■■■■f■f■-■■■\_X■/V■■■■■■■■■■%++■■■}■■■#■■■■■■■■■■0■■■N■■■,-■■■x■Z}K[gwo■■■■■■■■■■!H■■■2■■■G■■■'■■■Im■A■■■.■■■  
w■B■■■■■■■■■■ZF■]■■■?~■■■O■■■}■■■X■■■h■■■F■J■■■■■■■■■■}■■■c8`■N■■■(■■■?Q■■■)?s■■■■■■■■■■M■■■---7!■■■■■■■■■■7o■■■D■■■  
■#~?■;B,U■P/■■■@■■■0?0■■■b■Be■■■L2■■■■■■■■■■5■■■s■■■■■■■■■■n■■■T■■■]c'j■■■■■■■■■■c■■■■■■■■■■'%'■■■  
■A■■■%■um■■■<■■■■■■■■■■A■■■ý■■■■■■■■■■i■a■■■■■■■■■■3■c"■■■}■■■=■■■<■■■■■■■■■■=■■■<■■■=■■■v■■■■■■■■■■/qr■■■■■■■■■■>■■■  
■■■■■■■■■■5■■■■■■■■■■N■■■■■■■■■■+zt■■■=■■■\_■■■E■\$■arSbB|■■■ ■■■■■■■■■s!0■■■(Q■:■f■Ng■■■ ■■■■■■■■■(■■■■■■■■■■5■■■U■■■  
■■■■■■■■■■[■■■■■■■■■■454(j■U■■■o■QSW■■■0■z■|■■■G■■■1■fj,fm■■■b■■■ ■■■■y■■■.■■■■■■■■■■'n■/Ba■■■■■■■■■■ssss■w■LO■■■■■■■■■■  
■■■ee■  
q■■■■■■■■■■5■■■■■■■■■■<■■■■■■■■■■Wz■\x■■■2■■■c`f■■■v,■■■?C■&\_■6{■■■■■■■■■■d■v■■■Z}■■■hB■W\$t■■■<■■■■■■■■■■O■■■o■v  
N■m■n■■■)■■■■■■■■■■pj■■■z!■■■>■■■=t{■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■&■■■{■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■;■  
w■K■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■b■n■■■CXBq■■■6■T5■■■M■■■opTBZ■■■o■ApS■■■8■■■■■■■■■■(■■■■■■■■■■rUyqA&■■■■■■■■■■  
#|\\$■■■A■|■■■%■p?■■■■■■■■■■u■■■■■■■■■■w■■■■■■■■■■/■■■g■■■■■■■■■■q■■■■■■■■■■@Q■■■#÷■■■nu■■■|■■■^}■■■4z■■■%■■■■■■■■■■;■■■Y■■■  
■■■+■/■^■z■■■■■■■■■■Co■■■#■■■E■g+■■■2■■■!■■■|■■■■■■■■■■g■B's■■■  
■)■■■r■■■2y■0■2■1■■■w■■■■■■■■■■KJ■9■■■,■■■■■■■■■■r■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■K\_■■■Id■■■!S■%p■■■

```
<|>Umfbfz~0!62,23&&ZONQqO_vN^N  
1KFFN^Qg7Ot<1>6:>||>NøX\|xjAgb}y{  
q6_U_L.`pwuq|cczLU)Pmklyz1aiiY4jV/c~e  
20h  
&FV*Jja066A7635|K:4-:"+u]vlp( n\Atu!3&GaoL  
QP+cM2bsz^oWQ*5t(+)&d@l  
V3#Ã5Phjm  
y&Me<d0P[Q(+)"p1B4bhj^)*oi[P,  
mywOcjcC(Q>"*fV12Q22iiKCdPAqd$XI  
mVyDY1>PPPPPPPPPk?  
endstream  
endobj  
156 0 obj  
<<  
/Length 18120  
/Type /XObject  
/Subtype /Image  
/Width 418  
/Height 187  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream  
xUU?^yyee<2#( ( (*NMM4m4m>kls=9e)^{Mg{VD=  
]=,JNLL\\$8qG^jDgOkGf9cbZ"F'+  
LO2G#S,>6ww?oo?sKK_fty,-MMu5;8)kXf$,w=FRB  
dgf&K:|)ZxxT~O9|MK>.*KWOO_$&BYIQa=`P:S$N  
rwq43phMaL0;[bc#C}"c6KK]o"$*gg}_O|s,O~  
uwZTttDe["|=9,GGL>PY%27GGxU7TV  
v[ zvt'1'S=[ ]][T-hOO9~m]Ui-FbL5PWSUQ^FJ'E  
3c<g2N^4<4}&#! @HCehhx==?44tnU:-:2VnM"Jf  
]<?yyppEZMGZj~, B_qy_w--'(2.9jOCsÝO8ss  
p0315qtIH.(6| |=}\cfrCk##<AA  
3//qx]S^*M9joo]<53{4wNN[UyQ^vnno93AB  
/jjWYnnGh1"1KHH:qBBR8SHp4if  
B_zzff6.Q1[ 4(~mmA6?] [ //9r(#4RC/DHDDJA^GV  
XX!$" ",=)93CQ.@BQ"u|OBW]LPttXu{z4?*E  
uZy>y:C.!.$  
BGN:kHT"rr7n" (-(*+(*))"!!!!!''  
CQSS0|[spp;PUQ;b'B@:>Eoo+ $AadyT9[ç]86  
)0di{ y|A%b|"MW} w-o'PfTOGg  
BqMç}*GhjF7Oop5*-/A{ }&µa)/+ee3%  
Z-"B#Tg?OWC=>VFErr'gi:1|"jwdnOOM#&#=sn'y  
JUe6yr!aN!!AOsx?;7Z@ o#3'[ #7=)>2'44Fr{r3BLq=qkkwf_ _  
^)'6?z#Un{NXMMH4VeAfKXP]i2!!!!!i[Cpn!/25r  
*z5,Gyz^_OO!"B""JH C1gOu_[BkxAZ:/[t2]'u`  
#RXhP4<X!wGvvv/nBG||,aBxoO:ztAXXX2  
G#s9FHZNQHilL,wGpjPP?fvF#BP5µ"!VZ~G  
g!SA}%&878go.'_7W)}X1{ }CNC  
u"N?|[ <sDwm+ @D7c@  
dbqoMJKC|M`<!!O!&/ @Fn!5f)Be>{½ @N<q8]x  
[x3`7*x`Gi,B2\6m.w,hPvWYq
```



#####?#####G#####j#####\*&2#####]#####B7#/######o#  
#v#####436`#####{GvbT#####"#####R#de#&#D[N\$#####\*#m#N#####h#####&###;T#GH#####R###,!  
#####(.,&#B#####E#.;E#####n#####Σ|'K'B#]#o^K#####&z#####z#MiNrL#####3#B#####J#####;n#M#####30#####  
#####n######5m2#####L^#####EH#6#####x#U#####A#####F/#o~#####=######P#r#;#####P~#####S###\$#####  
DR2rp#####Kf0Z.###"]#####jA#####P#####I\$#####z#:##rw#i#####5RS#z);X#####~#K%#]8#  
Q=#5#\$S#####6V#####[#####;o#A#####3'#/aY#Pb#J###K/#####j###|#####97~VDDT#)#####i#/#4U#####  
}#####~w#u#####tx?#F#e#####f&D#z:Z#####loq#####D#x#Q#(#####|qU&#>#Gp~#x#=#Kp#####  
#####V#####uP#&P#N#####E15#####S\_#####C#####]#####j+#####R#"#####j#####F#>#Chxd#####P#####  
#####y#####a#r#####]#####p#  
#!7#####h#####<=p#####O#####hm#####Y#####DvJ#my#####O#####R#h#%#Sjp#####š#####5#N#(h=R#####  
\*##!#######3 <61######r#dyu#####;###{#####|#####|Ny#####[9z#F#####|#####q#####]-#####  
#m#;#####4#####((k#####86#^A#`TT#kji;x#`{ksC-#####!b#!!#[g/t#####J\*k#####>#y#HG[s#]e#####XK#####UM#####B#S#  
BN#####[S3#wT#####@KK#####j#`#d#=#mu#####<O#####6#####/4&!=#b#####7#U#####%<#####  
i#####[p#####pHf#####]#####|W#####}#####`#zZ#####!=#nY=#####d#32#####%"61#####={#TW"#####"}#####l8&#####  
r#####\$!#####\#####J#####t#####R3#s#####  
#  
#r 6#\$#=#8=Hp#74#6!bZfNAQqlii# 3###!T#####j#####Q.D\*D#####HDt[B#####]#####kjkkkk#\#####%4#  
#####  
#####Dk#####u#5#T#####b#####B##+#.YS#z#####3#K#Kl#####8#OS#o##+;#"#W#####`g#  
#####K#m#3#spr#;#####6#####5t&1#gik#S#####N-/EYbFAYUJCsKk#}6#l#)p#####c#646#  
#####[#^s#####Vx  
0#Ks#####/K#E#!  
D#  
#HIEMCKGW#####ciemKI9ggg#w#####,9###l=#\$##>p#\$#pl###'#####.:#####{#####75#,,#####"#####W0D###,}}#####  
9#ralC#cc#####G#T######+##+#####  
#####O#####`ffJ#c#####u@\_7#####S41#p#-#####Mcfbld#9#####j\*#F >^##{#####5-#####n#u#####x!#  
#####/+#####kj#Xz#l6#m`#f#####tY:#V#####x#####C#9#####a#####G#d#LF#####M#####.K#cyR#  
#####i&J#ht#MM-mm#D#ZPp#7#n%#,,##  
#####P#- MMMu5U#%#####  
#####\*y#7#####>#Mx#t.;,#####`#####~#l#####%g)###q#  
#####K#####]#{h[4#####\AQIYEUUUMM#HMMU#.  
T#l#####+q#4#"#OcB#####D#;###(##&+##E#)#####?^#####Q#MR###E###M#####'#@##+9#l###l###D#m#n#  
#Z#(##WQ#&#####9#####ln#p(K!#D2  
#####C#####N#####w(#0#t#fV#####.2#X#o\|RzVN^~~nv#####,#####A#E#po#IKK#####s##\*#x#|#####Ub#####|'#####  
#K#+#####.j#####3#&D#h#7#p#####8YBC#X#####Z#####.7#`#####O#J#G#####M#####w/\_#####?  
endstream  
endobj  
157 0 obj  
<<  
/Length 28126  
/Type /XObject  
/Subtype /Image  
/Width 628  
/Height 188  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream#  
x#####wUl#6#####s#9#s# ######Q#D#P#P### #" Qr#\$"#9M###03#####L###c###V###'#####{#####O#UOU#Z#  
#Q#p!#:#/#D#X#b###a#PPT#Q\$5#.######|#####+F#####V  
#####m#B#t#?#####'#####\_#####}U#=#H#ikkk#####\*++#####r,##%#####8#mU#####o.#####5#a#####b.##  
#####s#w#\#####l#-#M#####u#U#####d#6#>#XH#####ff#####h#4#####e#`###7#Snt#rbo#|#####&#####M#UB#y.##  
#####x#2!#q#####G#####89#Y[#####kkr,##v#7#4=#####`cm#0#####^#b]#/#k#<#####&#\_/#7g#[ks#C#}  
f#CB#####dd#####-#####XQ#8###,6#w'#####x#####y#\_#####Wy###:o#####T#<#####r#wv#01###  
#####ts#####kE9A#####\_i#/#G#####x#:#Z#####m#w#a#####a#x#:#Y#####j#\*#-#b# #D#####  
#####p!#QEAV#####YA#####dgi#####\$+%,#####9>>#i>#mq[b#A\_O#ksc=-5%9#X#####  
#g#\*#W#B#####>#NvV#####9n#4;z#M#####\$'m#####lga#####7:.#nN#=######l#####bo#tG#  
#r#65#@#2#Ua#mX#

o9" oo-Q!~&Z\*0R%#V)7;#=%)nSX"+  
r2Rcmmw+q-B: \S O,c[6H^N6:"T k?){T  
s2]]+,R&:a0#'#K  
svmrr1~Q.+nKrur%Yr,M;O.tA'f#.owjBt9+  
}N^{[Jsb7'+qvfPo%mr2VA@K.H  
J92Pn h b(?839:rr\_d\_Po'k4#S  
l/S' "bW]mNTIOjgzYÑ1M\;  
Kug7Q[\*P7:zt s5<W r n(0n(jc r[S'y"j  
:~=\_Dk >YwVV\*0\*Ua w^Y3L Fw('=\*x6^  
T(#h^<WIB\Q\*I#z^U<S',3|<)WOf t Wlx  
N?5[:9A Xr6!#!P?O[kKKL/r]=."1f[YE F4(Z[7  
ra==+L t4T,XqaamcQ%)uW}{8RJS]UEpa  
a\*c}s v%x; %y9\*O7.mU S"ay[[X8xGlKb;pq'P'P'&079K  
:t

l|obiD98u oT>ioj^09uEYd?zysOJ8  
h#}sq @fblddbn"0\$,\*\*\*2<Qs2R s7ò-A)Oo\ x m A36  
eCKB\L?Zg[E6ttNq9~fÜ6;E D O%y z6j| @  
V3#v E tŠS76 sptZAVP /] \ gO5~G/#d  
95P T QY' ?e[ccyU]v`Ozbt0dK1/3 p\_W{c=MuM--]#Ssk;{GGT  
UR<T  
y\$Dz8p\_=@`p[a\YZNRZ^QE]KG YI]EOP{[e\$E mli  
|]"J\*FFP ðD,c2sV L7+Q u N=}%\X9) \*^x`\_w  
@' \$,&,%-' , \$D1,-V.2~NE^ 9gP""]X  
sw oCt UxQ Sa']?`mk \_D  
.] 'c%ypv4CYY(HsA \_&0Kh. =&7au,8=) @b&  
G|<w|!|  
,)i\_Y{z vq Cl[LE |T{3R ^G @D y1Qn^Xr noa +%!!.&B,.(  
OWVn@ &DJB#N@ @ ha E QS~g}d Nt vup+M } ) E UW  
~Sm" ":&#" DH0 + \~rD w s K ay L f[Z =;o r&(M  
BvçIZ6;77B O T M) )a W @ lux \ + 0X pG " "u & O

l d Hw!x L8B b x? >Z~1 #(|!UQV k? :@ H6 |\$;{~ #  
,UeE{wm a R w! t C L! \$ \$6<; <s57 ~>jn? LC y T8H &oC u MAtE[  
+ k [ . ] o k -N]i W ^cBn (k W )=Fi lk Q (   
 \_ z \_ V typ @]/? HOKIN qo ] +\$  
th S \_e8 nB i N r ` R \* L ; G JLe G eh p> \ j \* L F: X ?  
M j 6G bV P 6 % | u S e 6: 2d Q R y k ? y @  
>87R~kk , r ti :DG  
a [B |< \ ] ] ~ bm ¥: ) T0 9 G \* I - ob 9 o ^ : ! `7Xs ! vF w9  
mG , S r 9 : f OQUK 7\$ \* r / >x -D J\$ 6 (tH Q ? /Y  
o.v Fz jj (~ , l \_  
!^N : (D g

6St | - < " b < l r 5 | p 2 ^ MB & >8rFF 0 B j eu D  
J T. | \ Mn o  
T U6 PA/ @ ( " \* " " & . . ! ) " ) ~ ! n \_ Px M wHo08i 1j V r4 D  
 . + . O 5  
T | m 41 v s 3 e0, c ' U D d U wqU n " t sB+ { ~  
7  
\* 9 rT d { 3 3QA0 EgC V \_ < & ? x " y ( E N ) TS 07 Y Kss  
f&F P | 2 v t4( a %6 [ ; v X W " \$ j c @ < > a CH c tn] g U e "  
P o0 5 { qn 3t 2 1g NU GBN: W 26PY @ Y U = Z \_ u @ [ R s F wj ] { y /  
pu 03 XM ~ Ry \* E L nD + L Q i D  
bu!aQ IM + #3 + + S = W Ck . ) < 4wa ; ) C laA U .  
k [D/W S < v N: H g6 [ \* ' j5 " z A x l + + + ` l g { \* 8 w \$ z8 Z  
s s \$ | 1 3 j lkn A " a = s tu 1f XL S#Cc sK 9 m ID  
D aleSVFNN XB ^ V { 16444880 u [ N T ) ) φ 5 X h j r h } 2 + v > V { j 5 jnk h

```

v9iU93;Z_ '8*n[zV21g3Mu]rw2upqNDqoHtB55Pe^HtM"kl'sq.m.X1h2:δ6Tq[ihj[:yE=k'd]m'y)v)a$W6xb<Q""H'B9YE59[ScQ]u,,:F+8]YYs1{J*kO6:s\>Pw!f8k*6N~!Q[R3_?~}d7Z'O7d%mobT$bxc[q-(-)+?V]j:ooC7a@B|vGfNCEG)94O%9mOHyeU-#b44q¼=;obu'[HZWUR6"sEpR'xH.!!>A1{.*>TtoEhrhaH;G&@RaQl)\TSMx=6*[uD^N:ZcS3s<T\RRRZZzx.CrAHDT/{6*B'OIkGrB,Op$"#PNQUS?*$PWPtHY9*XGJnKnrz=Zz>=Rr9"10!h,9E~3vg&HY!a|)9%5-5e{"&a>(FAEsK;'w0YJzFVNn~a$6>|pilr3wnOlgef(HEEETPPQD^P~WTKvM3lgn=d25SOHU<<*&JRK_A9hwWM9itb}h[N/ŽSG(6tPj}KjN/!$o1y|W_WCÜwG::X][rvcnO/owd2#v<o,"B.Tw/PZ.Uk?OBRn, +u5m-/A6}vwz]SSn36ZIN74NM-,-1777Vfc#`O,A.,Q""}R"6V>2:zYyp>T9{CH51jipjdxO4KU}8;kvEi%QW&7L ml466h=DJIC5[(s2Dk^SFJUJfd #P*{;wN>(SK$fk.Y|ffS7HKh>'6)xYFS!7XhCZ.iil`B_gQ*/RIZM`&44_P4y9B`ψjxJxHhIyCvIh-78[XN$""/a{ |T0'h"}y#Qsc\@^aaUPDs4O?b!l\n9\h}A`PT@CwO(!D'TAAAH4vvglqp}jjMwN;N}N_N_f[inkvH50$=bBç(vg,44endstreamendobj158 0 obj<</Length 20276/Type /XObject/Subtype /Image/Width 443/Height 187/ColorSpace /DeviceGray/BitsPerComponent 8/Filter /FlateDecode>>streamx}TUW[H<z""("R(A)"2'Ld2L$&L&U}vb[o]e]e]e]e]e]ewCmUTTyy{m{l<1dRP$DfL|H!Z!%φY!h,F7wR#=(P^C1!X5;Uinffnnnn2MFF&Zuq`0hUL;Uv9U|@/_66Ekj$.(q1,4ccEsW:/5?2M/wW';ksC]m5Xdr2c#||l-M2S#C<YVL#]MU%yq4>Tg&Fz#!2hYsJU8)6@4^mWB7GFF@]H_1Gw}g'FjNl)Gn71v<{uv=|q@{k`ddY;ys"rVmjmm?p#G7/Osk~Zl98rE"i"e\46<x4HO_NJj3xM@nO't>()q:yeum}Wqgqv;{rBSSG(3!|c}Mvx}++'FBn?tzv.ja-M{a(+.yS>_OOM=OuiNrd*];+SKKKn)=====y|!tJz3'vWR^)[eg&%&Lnfjcc5ey1ANd" @_ssss9c)/+.*@9AAN>iiKLNm9'p>{O' [rS^.#hm~~khwWGBNVFjJbB\ILTdxh0;V5UH"VRRUGY;|8A!aaa%YeA77sfaA=+Sc|f=rFYY*ipY:=<P~@wxx

```

f██a██x██r██e██c`██l██n██r██MHLJJJ██@██C██i██dsbD██X██z██C'))██4}██<██S7  
██:Z██R██.0|██')R██m██\*██Z██rc{xyyyy██9██"██\██w██B██u██0██V██%██M██59██N  
██n██x██'██Oj██n██:~██L██t██7██t██K██y██W██N██j██x██#██w██K██5&██:q██[██S██J██wa██'██%██J██S██  
██)|██H███"██%██yl██\*██E██0██(██qd██(██GYtK██C██|██m██~███"██3██0X+███-4██Rj?██ly0██PW██\$73██  
██+██C)Q██:b███+██#K███\_███f██L██9  
██÷██-U██.██g██x██W██w██V██)██6██~██g██c██(~██XW]^  
██@██M██@██R██]██O██E██\*██K6██a██<n██z██9██[██b██7V██H██Ue██)██  
██c██f██g██Rk██#███-███:███!+';%██T██,██M██\*██œ██Kr██4B██P██]██n██<F██%██>██  
██q██'██5N██D>██Zu██io!██Y'!!██/██~██js██>██y██LqE██9██=|██y██6N██m██;P██\*██Eω██k██<g~██M██  
███[/|██u██+O██{███/███\_██L1██Y██j██1██L██m██PNUz^|███}██9~██o███';███c6██e^+██  
██9██J██|██O:███h██S██H███  
██T██4██|███/██w██'██+O██Rv██e██C██\$1!███@██|██R██O███-██5██6███8██|██h██[██c███]██k███  
███I34Op███m██(███)███!██:██L███Sk███)██x██8██9c███|██B███3███}██v██O██}███-███4>:tn██"███  
███p{███84██w██P██n███b8███p██h███C██W██e██y██P6██S███C██m██b███7'███|██k~z,:██K██f██  
  
-███t██x1██k███m███D███WH██cyrnP███Ni███Q<███\$███M██p███;O███}███(██gl██|███]███;z)██/██&██H███  
██|██0███"██)██D███[7███h███f██&██GG███RD███\_███e███#███il`███o`██0a2q███-███S███=██  
██|██J███  
███d███o██@███-8H&███a███%██55███|██U██JS███E███!██u██O███022██\_██PC███,\_███|██G&██<z███9██  
2██B███gw███(███%███-██f██B4CP███e1"A██utt███.██OP███8██)6██K██y██4██{███2~███{███1██  
██k██AR███Ei███p██Hk███%?!!███FYg███g███nb███T███50███A(██6███Q(██Uk███i██MsA███  
███Px██?██9██}███a███w███  
██1@██t██(~oM██{██!██#███"██1██jt███dn███>██X███!██|███A███G6███PU███S██w██M███b███U██\_██F██y██W███  
███t███V███<███-███M--mm-███1███b~t███Sp███T███i███M██A██A██\_██b███n██p██  
██QM███h███[██pNJd███ZjJ██  
4y██?██,PE7s██/~███Y██w███,███+███/6██y██>███K██gy██EpO1██TWUVFT██S██>██UUU██U███  
██K██9██Ç██<██U███NpMu███`███B███{███ntz██Dq██<██t██4a-o██;███52███N███.██NZ██o/Ow██of██C██  
███\_██'(88███h(██lx)m---[███.██<███:██8^███xF███bjjb██02███L███<██j███WJ[+██G███  
██0███)███~██0███;███#██Q███|██}██w██\_███yKK+k[[:;[[[██K███)██G██SQ5██Zt?.^███o███:██4U██>██7██  
███e███i███`██R██c<x██\*██yM██G██.;██3██  
e███|██W██^██w███b!██%██KsS██PW███d███|███"██\_██<|███G██{██0██\_███  
███9999██i███A~^██n██p██d██S███1██YW███"███Y███u███2███;\$o\$A(███Vf██U███\███r██N██.6███  
███2███#██a██V███3███&~███#██1██!ywvn~███  
███X[Q██Ew██x███u███d██E███Q███\$███(██\*)██>██,███N███8ld██@██y'███K███4███[0███  
██t██o███E███D███'██2\_C4███<███,███'██R██':██s██@███m██  
h~███Ob███`██  
███|5?██X███0J██+██J███o██9███XgrL███#███fg.\_██B███3██R██(██V██O███!██q8███Q███|██q██"██  
███Ge██v██Z?██!██M██b███|██d██C██<███{██Q███mzv~a~███  
/███f███4███'██In███;8███G██M███&F!███d'██G███y██;:::██o███4███J███Z██;██2███B██}███;██?███  
eQ███@███kkiffff██Y███s███`██\_██f██,██KO███  
██uw██Z███.;██\$R███~███8:2|~███M███.4\$██n███>7p███(██g██(███L+██W███)██H██~██F███  
\*mm███|███p███3███w███=███\_██J███K██gbd███g██s███)██TFf██Ko███ò██2███  
██ck██c███\$███;0,693██dW███^███}███c██N██}███g██O██B███K███@██F███Y███  
███B██g██TV[██KS[██aji███\$███  
███-m██;███9~███S██'O███8███y███PYV██W███\$██V██H███]███C███r██  
██T██khjm██8██X███WH██|███}███+███@███P███g███z██c3+8Y"██r███76███45██7███111██J██F██a██  
██P██\*██<██M███5██{██NQ██j██>██!██Nt\*██&1-;███z███=██M███A^███j███\*███z███j███J██)5M██C███[██gw███<███UV███bkl██f██  
███k███Y███P███zg███A███]███  
██il███!███P███m███(███\*███  
███MJ███Cý███nw=4H███0███%██G███Q██T██p███L███C██"██36███m██V██mkY██p███G███h██J██)███\$███  
███Fns^al███\*██Yu██v███{██W██L███T██;4██,s███J██Qa██M██\*██j███=██'███=███Q██K██uee███C██  
B██m██))██H███P███ō1██QEZ███E███}███nb███}███N██B███z███,███Y██4███7███+███gdb███\*██x███G███%███"███|███  
vV██j███  
██o██\$GTn██g██Y███āb███S██3223██SS██q██W88██t██4T███>>██PMy██%██u██-███6███n██>██Aa███|███\_██PPXTTTTX██  
U███\*███WPVQ███V███'██(42&>1%-3ksn^AAa!███?';3=5███Z██|██U██7███S███",██<██/███x██F██f██X██O██N███#██Â███#███-b███<███  
███1██a!███?███n██q4██0b██@███p██;███g███<O███NhxtL██\_███S██b4██j███\*██3Qek███-███6███?███Xm██BC██9██  
███qqH██>██<███L███h███#██-%%-██Ev██  
███4Y███8███x██N███-:███7██T███MG███&1███YI██/o███@██X███?██R██;Y███,███5███BB██  
███

!■■■Bt■■■M■iD■'l■W■■■■■■■■■■+■■■■■/■■■!■■■■■■■■■■-■Z[2■■■t  
M■■■\>■■■O■■p■■"■■■M■■■■■■■■\■■■q■■■\*B■■■WQ■■q!■■■N  
■+■e■4r■■■Qk[■G■■■■■■v■■}]]}■■■■■Ý■J■■4■>j■■}■w■■■v)■6■■■Ki9%■5`  
■■■65■U■■Z;sn■■■i■■4VA■T■F■■■T■!T■■`■■■■■■  
■|\*■■■■■■■■■■g■Cn■■■r%■■■E■:■f■T1D■■jh■E■(■■■■■X■■■■■■: ■Ks&■■■\$■■■(■■■X■■■v■~■{■■■Øifaeck■■  
■T■■■74■■■./■■■#■■P7■■■■■O■■■B■■`■■■:■\*■■■■■■■■■■a■■■B■■■■■5■■■■■A■■■■■B■Fb■■■.a■■■>bC%■■■=■  
■■■kb■■■=■■■■■■p■■■-■■■9■■■\$■477■■■■■2■N■S<■■■■■!■■■!■'u■■■\$■■■S"■■■N■■■R:Z4r■■■h■0■■.■■■"14  
d■■■J■■■U■■■\_■■■■STVQU■cG5■K■■■■■,L■5■■■K■■`■SA■■■U■■■n■■■■■■■■■■<■H4■■■■■■■[■M■■%■■)!fe■dS  
■Fe■■■■■o■X^■■■■■|pFVTV■■■■■g■■■■■gd■■■%■■■■■H■■■■■■■TQ  
■?-QaY■■■■N■ ■■([■■■n#&■D■■■\*X■■■ ■P■■■?rB■■■|■■■Q■+■■■■\$■My}\$:Y■K■■o■=■■■=■■■■■■■■■■fB■■v  
■  
■■■■■■■(RQ■■■■■■`■■q6æ■■■4■■■g@■4■■@xkIN■■■?D■■■a■■3■■■■■■a■■■■■■V■■■■OK;%■E■ZK\*n■■■■■■  
■)■■S■■, +s■W■F\$]■■■■■(v■W■■■■■■FL■■,■  
6FG[■<■■■■■■)■■■@■■■j■D■h-J■,■■■5■■2■■■K■■■\$■öBm■■]=|■■■■■@■■r■171■■■■■  
■"■\*■9T4}■■■M;■.■■■e■■■■■■■■■■■■■■■■■■+&  
■■■■■■<#■■■■■■m■■V■■■n■Z■■■Y■■■■■■VX■(■@W■■■■■■■■T■■■■■u■■\_■  
■v2■■;■■tsuq■■!■X■■■■■x■Y■Q■/■AE■■■■■■Pv■■■;2■■,■■■:■f■■■a■■■■■|■u■■■■C7■■■■■■■■@■■V  
■!■■D■■FNf■■\_■■E■#■ ■■albb■@■■8■■■■■X■■■7■■■■B■|■■■■■■Q■■:r■N■&■|■#B4■■hi■1■|A7■■■■D (Y  
'■>E■■■■/■■■-y■^■■■-|O■■■■~i■■■N■D■■?E■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■P■■?■■■,■  
endstream  
endobj  
159 0 obj  
<<  
/Length 9896  
/Type /XObject  
/Subtype /Image  
/Width 246  
/Height 172  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream■■  
x■■■w[|■■■■Ad■■%■■@■■@d■■"■■ ■■9c■■■`2■■06`■■6■■■6N■■i■■■{'■t■■■■■lw■■Λ}■f■■■■■■z■■■{■■■WH`■■■■■■  
■■4t■■"■■■■■■}■■■■■G■■■■■■7■■p■■■p8■■}=■■■■Q■■  
■Y■■^=■F■■5#■■  
■■■f83■■■U■G■H■■0■■(■0k'■■■/~■■?■■■■■■■■■■x<■onnffjbbl■■■■■■pUU■c{■■■G■4RE■■■■wO■■}■2  
n-o■■■;|■~s\$■`kkcmme■■■■■r■■v■■■yE[;■■■■■■■#X2■■■(+\*\*■■■,P■■■■■■■■U■■:■6■■9y■■■A■■■5PI\$■■"■■`  
}R■■■c@■4■■■■■)l8■■%■■sPa■■■■■■f■■■"■■■n■■■;K3#■■\$■w■■■/■■■./??/?;■■■■■■■■D■176■■N■■|■■■■  
;4■■J&X■■■■■Q■■]~■h■■■ú■■Y■■■V8x■■M■■■■■Z■b);■■■■k■■s3■b■■d■J■#■g■■■VW■■g■■■#■■h■■{k3C}p  
■■■■■■■■■■Z\_oOg+■■■■tO7■■  
■D■■Z■■■■■R■\■■■■9■■■■X3■{■■\_■■}■■■■■3■■■■ZMS■gjEpr■a■■■■■■■+j■■\_i■■■ho■■P[Y■■■■7  
■■■:■■■TOzP■■■■■■■■■■■■■■■■■■■■{Q}■ ■■g■■■9■■■x■■W■F■■7Uqy■j■■a■■■0B■1■■)Y3■no=■■■■bf  
■■■■■■KJ■n■■~■■■~s■■■.lt■■■■NTO?FhdL|R  
■■■■■Qa■■'■■■@■■■■■■l' R■■D0■■MUw■2c#■■■■■■FhTl■g  
■■■■■{;■k■M■■■■■dvtdD83  
■■■:■■■■ß■■R■■[C[■■■■■■■■■■d■■■q■■■■`■■■@■■■A■Z■■■■=■■■■■■I1■A■~■~■0■■0■■■^uK]y~  
■■■.■■■>■■■■■`■■■|■\$■■■■■■■<=■@■■ hke■■■■■■~■■■■■■Y>■■■■■■■■N■■■■■■`■■}■■■6■■C■■■X■■!■  
■J\*■■■gdl■■■D■UU■■■■■x■■■■■■■■■■■■■■M■]■■■A■■■■vv■■{■■■■■■■■(uNjl■■■■■■Lqvv■■■■■■B■&OD■■[Q  
■■■■X!~■.■X■-|\_■■■q■■■■b■■:y■o■■■9■■■@■■■#■■■■■■V■&F■z■z■■8■w■;■"■■■!>4g■■%■■■■■■z{■■■C  
■!AZ■■■■\_n|■■■Ks■■■■e■■)1a■■■■6■■8■■=■m■■X■E■■■:2■■■■>■■■■cQo■■■j■Wh  
■L■■■■■■■■F■■■7V■e&D2|■■■,A■■■■■■■■■■■■■■■■■■!■%H■■E■%Y■■■p■X■■?xA■■■Es■■■■■■}■■■@■■  
■■■UzM■■o■■oInmn■■.■E■@■B\$ÛJ■■■■■kEAIQ■■[■■u<3■■■\$4hkj:~c■■ZD■■■■■oInn<X[■■3>■■■T■■h  
j■■■O■■\_■■[ZY■■~■B■■■■\\_Q■■■■Rn■■f■z■■■s■■■X[■■■■[■■■F■ib■■■ztskyay■■■■■■x■■■■■■  
M■■■■■■Y0■kk■K■z■■■JCUq6■■■oe&■G■HP■■P■■■\_aC■■>wnqyumuei■B■■■d■6■■■R]■■■■o■5  
m■KI■?,■7■r■■■■m■5■yi■h■■■X■■o■P■■■(■■/■■■;?=■b■Q■^■b■■■x■■■■■#■■[l j■■S■■■G■■B■■,?■vq■@  
■F,!■■■#7z;■■■■■@■■Hlmd■&"■~;■Qh{1■■ñ)■■■%■P|wfb■F\_g■■■■■q■ ■■MT■■■@■B;`?■~ktr■@/■(■■■Q■@■■  
■|■W~]■■N■■■■■M>■■■■=■■■■■■■■■■■■\$VX■■■■■  
;■U4■■■W■■■■v■■~9■■■,■■■■■■4■■■■Y)q■ ?■■2■■■■Zl■■■F■■}■■■■■Q■■■■■/■\*■K■ICO■5T■0■@■■F

=====|■======}■?Z■H■~=====W■-■jR■IX■=====q■C■o■T■V■P■  
5■!■,■M{⑦"■ly■W■-q■q■=iTg'\$^■/i  
■dj■Z■3■}Qm;■7U■zg■R■j;/■z■:■Du■\_■j■Z■:\_■b■z■9■t■J  
5  
m■{■INd■"Â■4■.■+D■>■%■r■38■1■@■m■O@■^■)■Y■@1■JKbG■2@V■  
■{■@■|■  
■^5■x■qu■x■ssw■S■a■gx■2■3=■#■JsR■i■r■Pw!'■(■x■.■  
■)NG■\■.■ER■W■'■8■\*■J■k■@■c■Rmi.'6■S:■b■\_■>p3■HF.\*0■  
-■%u%■^■)■w■\■PS■UJ■`L■\<■`■44■u■:  
K+k■Dp■e<^?|■6■S■B#■\*■.■\_nnniii■r■Z■nl■D■"■  
■u■UTVUUV■B■0■o■:■WP■6■fVD'7■R■8?■w<■S  
■E■u■#,\*.■[PTR^q■^■>\_QV■X■At■W■C■A"(■o■OI■+(\*■  
  
b■}■m■4H■yEEdTL■'■):j■ij■|■Kk■3■\*■?■}(D■g  
■M■IB■=■B%■+■U4■1■;■LA■N■`9■e`hbnIC■'9Q\■T\*■[a.r■31■#■  
a|■G■w"■'■A■\$t■q■@H■,--@■MT■Bg\_■C■@■@P6■642A\*■  
■.■JRvOT?■7■W<■/■.■[■G■@]■J■  
\*■]T■B■z■J■:■zz■|■ld■Ud■j■U■`\_■h■,■/4■,■+■x■XU■  
endstream  
endobj  
160 0 obj  
<<  
/Length 20527  
/Type /XObject  
/Subtype /Image  
/Width 456  
/Height 188  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream■  
x■}■TUW■{■"■H■"(MAAA■Q■Q■QQP■P■"■5jz&m2■d■l2■\$'■sy■ff-■  
■|3■6f■n■Y.■u■}■\■:R■ccn■@OO■k■E■  
■05■C■@■&■h■V■2<,\$■W{■yC■-S3■V■X■doc■Y^■q■+B■|  
■=a■e<-Q■c■]J■Y+■|F■q\_■x■8■P■6,■c■)(L?■OI■  
■ya■)■/■H■]A>■X■!■Z■1q■W■-■6■4■0v■g■UuFZrBL■`■owg■4  
■%■n■V■|■[■D7■}■E■s■#■u5■]o■]uSn■X  
HC■SyYii■j■p■]%■2■Hg;■cq■\$f■~X■4■|■7■VUI■a]J,■1>YE■L■[■V{`■c`G■<■h■  
H■'■G■N■>xbtp■x■C■d#■uw■2■8■w■\■5{■3Sb■f7■OV■U■8■b■=■[q`p  
■=R■07=!2■782:■"■δ■j!\_■O^8■x■  
6{rL■#Vu■9'■D■{.■Cu■v■D#■GH■;■j■]■)3eU■t■p■c■4■c■.]■hmi]■  
6■mx■^|S■|N■\_■/■{w■|kK■V■%■}■o=■P■g{ANZID■18■t■n■l?s■=■v■^■  
sRcW■UI■\*■K■F■x■u■{w■m■6#■h5}a■pL■A■qbld■b■y■-■QR■e3■B  
■z■!■LKUi■W■.6  
■/■-■w■j■x■~■f■s'■mHO@■+h■  
■s■B■&F■:■Z■!■#■L■^■{st■t■P■9■|■rW■rs■p  
D■\*n■g■|■^■&u■:■1■0'-6■TVc=M■^m■|}■:■XU■}K~NF  
■\_■gO■Q■s■\$■/■z■F'■.■\_■<7■C■YXHPP■>46■T■`■8■  
■v■6\$■r9■Va■>y■8:7d■`■3■Qt■Y■&.■\■p■.■\_■<912■  
■|b|■h■%JD■\*■(■vw■IF■N■}■G■r  
■:■f6N■ymS■S.■tq■J`■u■h■g+(■Y)■B|NL■  
■O■||=■w■D■@2■1l■\$/■Z■0■'■XI'■{8`■G■e■f■G■  
~■@■"■!■le■Cx-■41■G■\*■H■V■9■EK!W^V^IMK■;+■SQ^■0.  
■3'■X■F■o7G[K3SSS3■9M■S"2■A■P■A■a■si■\$■e  
■Di■hknl■mC■|r■\*■Z■v■c■+s■C@■7a■.a■AR^■#■S■cC■S■>C■\_>  
?■u■57■9■L]■j'■#■NWSMUYYE■0■Gp■+:%■b3■D■rYy%U■K['7o■+■c■  
■j■z■ZO■y■p■!■Z■wb■~^z■J■G■RC■982{■O■#■p■@/■c'■J■:

■QFc■>■r■u■r■Q8■7■' / 84<"2\*re■T■v■U■Y■A■W■s■6■:■sN■f■  
■  
C■)■F■C■\■~■Z■a■  
b■w■(■q■61E■!-■G■>■}■o■s\$■\_■"■f■k■<■pL■V■/■r■2■jN■)■  
8■q■|y■ll'■+■N■9m&■A■8■g■L■u■{■U■\■!■!■k■y■cC■z,■eP■y9■y■Q■  
  
S■|■sN■@■T■:■:■x4Tw■\*■7G■J■,■!-C■j■.<5g■7o\G■,O■>t■  
Qpd■K■M■2■AP0■rrh6■k■9■f■q■G■:Np■A■o■O0■b■|■#}■h■5■3■"■D■  
■%■#■|■0■"■olv■'LTW-i■k■W■v■@■1■0dQ■;■D■^■}■&Rs.■G■  
■A■^Fb\$■"i■/HyeR■8■n■DaV■;■Wl■D■.B■H0■}L■\$■Sle%■++■[■:■\$■b't■K■0"■  
G■/■z<■|■  
■8■c'■d■lm■%d■>■C■apfw■9■h\*■d■`U■"■Jo■y■M8V{:N■#\$w■H9f■8■)Kj■  
D■O■;■;■o]G^■3■E■#■~■#■"■H■-■,■,■'■L6■x■EU■  
D■g■^■EZ|Q■{w■FZ■r■M■g■2■#iO)( '■?■i■9W■1d■(■vt■2■\$H#■r■q■3■E(■  
■<A■#■!■!ZH■p4%■}■\_■DY■(■V(+■)/7=A■F■&■{wo■^m■r■w■  
■r2|■q■>■L■dD■q■`■PY■  
■j■|■h>e■\_}■GnR6■=■@■T■oi■2IR■e■k'■\■#■?■i■O■4+■}■j■v/■  
■4■M■(■Z■z■D■;mSr)@■=■;■2dvn■\$ud■=■QFp<■2■R■k■m■F■C■((■V■  
■L■9■0r■q■\*■]■gO■9k■R■T■  
■7■K■@J■UUS■NH■P■P■x■#7■M■B■s■HĴ■M■g■N■!  
■3J■sp"■F■\$■&■L■dhTJFN■{■j■{■X■8Ô■XM■h■c■qn\*■:■.H)l■p■g■A■H■N■  
■c■|■p■oPxT■W■3■>■.■;56"■F■\$■.■r\$■7L2■h■\$W2■1\*■(■x■?O■  
PTPRVQSS■Xuu55■e■9■x■StGjh■A:■y■7p■c■Q■s'■2<■H■(■|h■3l■  
■U■`■G^■T■tU0+y■[■c■?■d■7■&■|■:■\$+■lf■@■2b■g.■;Pi\*■(S■T■O'Xj■P0■g■mU!Ue■:  
■6'■bC■A+■(■)■O■q■[6■A■z8■Z■?■'■!■WL5■Q■  
■E?G■J■aD■&■~}■x■y■o■W\_■}■^■pu■2■H■(■r■,■  
■^■n■-■~■~2■\}■E■@?■:■j■v■f■&■'FB■bg;K■m■(■(t).>!%-G4■it■g■■;[O!8■  
`■W■H■a■Y■K'■(■=6■.h■d■'■!■n■b■#■C■R■{qa~Nzrl■|■F■c■D■  
■,jD■K■K■\$P■w■Jb■|,■{■G■z■sh"■q■\*h^■d■3M■i■r■2■|Y■  
■Y■:■A■4' o/\_■B■U■D■qk■Z■7■)|■\$5■w■aa■G■"■@0■)|■  
■8■8■+■)■(■z. @■\$■]R>[■B■T4■s■}■(■;■4M■v■677■\$W■5■?■v■  
■p■1■j■0■b■]■t■=■[■P■[■Y\ d(W■t)hoE■L[■Hj^■1d■U■8X■A■  
■<■N■V■i8■\*S\*%■w■%■Y<■x`■v■bg■){■K■8■i■s■vS9e■&■z■z■FVD/'■  
■`■%■m■'++'■c'■f■^■nCa■v■j■;■7■E■Ap■1■TU■4%■v■\■}■{3■^■  
■)=(■.■=x■1l■Y[■|■G■~■Nvw?■hG{[■xB■Q■6%>\*■È■\*■\$Q■<■D■  
n■G■"■H■1S■\*■b■Y■`■RV^IE][■42vuz■5■u■G■2{■xccC■)■us~  
■|c'■Zee■}■TY■Y■V■t[■|■T■4[■.x■t■2j■Ci■&■\*~!■4S■%■KKK■|■-■  
NmAO[7/■k■-QRV^■{kl\$■%E■ge■\$■y8SMo■m■)■Z'■

■■7■@■■f■M[■■mfldh■df■■tk[{{k■■XM■■i■(■■,■■K3+{■O■■H`\*}}VNnnnnv■■  
■odB■■O/■■twuv■DQj■■x3■■O■■:■■.■■6■~■■dmmeeei■c■re%■%v■■\$■■lwe■■  
a■^■■<Sg■)E■■D-■■U■■A■■eeVslI3V■■n■■[■■r■■#■L■■q■■<)"0)■■@l)■■6^nY■■|■■

■■g■C93\*■■&■n■■n#■h■■rB■x■?■<3■\$■"■^U■■@■■2■■s■■\*Bc++■E■t■0■■i■■Z■O■■0s■■:u  
endstream  
endobj  
161 0 obj  
<<  
/Length 19912  
/Type /XObject  
/Subtype /Image  
/Width 503  
/Height 188  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode

>>

stream■

x■w\WJ■>■C■TAAQA■QQQPQQ■QT■Q■n■f[■n6m7■/■n■M■M■i■{■i■}■a■?■;■  
K■iilCX■h■%■&E■j■2F^x■^■=\$<■:■T■\$■T■)■LK\*■Ä■L■b[M■]■\$■  
■@\_WW■3\*■Xd■L■[;■GG■X■B■nigg■rvq5■f<9-■  
|■n■,G{■k■"[■N■i■s■'■l1■,■T)■T■b■3■d■k-■?■EY■gi■:■i:li■"■  
■;■h■4=(■tg■rB■oi■N?■^■ld.hNf■%■-■{■w■r==■v■F#O■h■!■z■b■  
■r■/4■\$(g■K3#}■M%Z■7■H,K■PO[CU■%■,■i■w<■s■?■[■E■"■  
■kk■v■%O■4l■Z[[■j■?■mF■@G■8■/@■j.■+^■J■S'[K],■^>■%>■G4l■  
■)■pci■s■a■p■%/■i■rQz■rcqnzR,■2■TU■v■J■Z■Smmmm[■7■f■(4QK■  
■K■s4?■+■W■.v■=■rpo■Y■b■<■X■x■H■x■me■~■2■;■>■O■w#■  
■\$■{■}■{■j\*K■g\$F■F■;■K■~■Og[■-a■R■z|■J■  
m■Lsc}A■V■B■(\_^■7H■||■c■wW■#\*■6[■c5■\_■C■  
l■)■f■MN]■>5■7■\■[■#■g■v■V■P■~■6p■J■x■H■U■(!■`■  
■Z<■AVa■o(\■y■6■T■e%F■e■)■|2■β■lx■[c■H■}■&■9TR■  
S4■.Mi■C■i■q■]U■R■c■H■o■R■~■#■8■RK}■<■M6■7■>■xxszj■.■o^|■  
■C■5Q\$?8\$■`■r;■a`d■/■v■K■G■=■A■f■&TR■@■\*■(Y\$Oz■i■g■  
#■;8■N■N■t\_<{■q■{H■j}\*■%■T[SMMU■y=■J■/■O■]F■Q■  
/■)}\*?;■hkeabd■-■YM■w■\■h■JDOO&■  
s■"C■3■T■)■((F■c03ucz■W;■,■l■F■:ZZ■,■[S■#]W:p■BF|■#■p■7w■my■E■ha■d■  
■\_y■t■X#8■E■;■M\$■G■V■R■L:A■<3■c■Ss■[■/■[■g■\$■  
■~■O■)■'g(■o'■`■v■8■K■/■J■X4Z■~■Z■88■{■z{■  
|■5■(■PIL?■p■h%x■<■eC■N■tv■0364■7■q■2a\_■\$■z■~■7g■o\_■r■  
■\$W?■=|■7o@■@■c?■\$■  
u■.■#■N■G■>z■l■`■q■D■Z■b3■/■m■9■QA^B■0■{■?■|T■c■  
■>N■r■N■la■v(■=x■C■3■K■r■\■Q■u■S]^D■U■a■a■J■b■[■  
■@9<■|■)■j■W/]■5■<E■[■@■nZ|■  
■\$9■=u■O■v(■|■8■t■jr■#■\$■û■<■y}bd■2■  
■p■\$■Kf■"■;■b■n■;■f■!■'■ctL^<C,Z+■4.■n!|7■la■T■^VV■D■4■w■  
5■m`■\*■[■c■  
>SEAb■"■Hm■Q■v■\_■i■H■wZp@S■V■+■|■|■@■7■w■-■^■UU■  
■#■k■^■g■Vu9λv■65■Y.■hY■#^@■!|■9T■4?#).■"■n"■v■/■4■\_■(■  
■U■5■  
\_&■c■X`■.■v99■r■B■'V■~■FE■z}■L■x■&■|■j■s■q■?■qgeqvbd■P■<■G■  
McY■+■)■a■FN^^■"yyy9yy■3■>ýB■!■rr■w8F■.■R"i@■VR4■/■@■M■Cy■  
■  
■  
eQ■}"1B■8y■;1■;■w■]■[K■d■R■?■z■  
■;■f+(■E■'■x■>■WG;■w/■3■Z7■^■H■B\*#■.Jx■!■IA■E%|■  
■K■|■7■s■>\$■|<MYt|9)\*@■;■\■U■h■S#C)b■#■{■yA■7■  
J■B■scj]]b■,■:■8■vR■x■7L■"■:■Z■0#■mwwd■D■c■a■o■  
R■D■B%o(/8■)f■aW"U■;■f8■r;■D■CE'r{■Wg(K■t■g■.CE■\■G■f■.,'[■+K■  
■4■i.■D■D■|■\*■.■Pa■@?■/■]2■>■w■}■h■B■p■li■C■  
]\_■^■B"Q■ctj|^■y5■x■R■zllLtdXH■d■G■;■=■0■o■k■i■}■%■y■H■(r■  
■T■c■O1■#))■c"C■@■h■?■'■V■`■#|■a■Z■W\_>}■{■L>0■<1■A■S?■  
9■7f■gO■X}■H■(Xk■K■P■z■7q■-■<■+■.■vfg■#8■]■L■\$■m(.\■.■\*4■  
■Q■C7G&■Yn■P■SV■#■O■B■7■B■z■b&C■e~C■/■k■YUYV■"■@o■&(z■  
veUM■CS■:G■"■M"■t4■\_  
■0■o■:■iE■.pRF■q=■|■j■Q■2S■ZU■tZO■=-■o■+1/z■rz■u■G■))■  
■r■A■vN■@■,■;■{■V■2■\$■]■D■^■N■Te■Q■o■a■^■'■&'■e■P■)■  
\_■Z■wW'GG'gW■o■/■C■]■wl■62■dgkccg■b{■fHM■LK3■c#ccs■3■&N■  
■p■wg■X.■sK■05199>■{■C!■W,■©9■?■}~L■vO■K■gN■;■H■E■6Vf&F■  
\*■23■2r■  
\*■S■Smg¿■?■sg■N■<■r■0L■jKYq^■\_■#fH■bH■6■w■K■a■UWn■  
w■-]Ctuqq■E■'■f■o■X■e■5■;w■VY■/+=9!&"■dk■a■5■w5■  
■/■9■\*)■;■H■X\$■n^h■uiYy■e■vG■[■7n(■{s\■y■&,■K■  
■L■/■,■P■bK%■-■+■7■eg■\$■GG■P■4C7TU!■!■]C■j■OLNMKOOKMIJ■wu■B&■L■?44■  
■2■GO■>s■6■hRQ■#■\$■|■341■<■~■q■Ys■.\*■H]■6.\*<\$■0■j■R■  
2■+■c■4aTCC■#■\*■-A■UUU■\$■)■\■/■j5;■j■U■g%C,■c■L■[Y■H■R■



esR27VTnIR[A[\$](A|J4EAOVd@TU}C" ijK\_C  
[acyy&xH4Nf[SK[QQth4?gdm~XpqqX  
Eg2&D]F-h!-5}QliYilzTQz?AmmXI4,'jB#[ ' !-  
flGtLd3xEEuÅ~e"  
m^!i,82wqXK5"wz(YI"CRMV\_pSP)dihfmDS99Yp\*bb  
Hc+  
G<  
fl%!IU|8 2^,6)^mQRi,%W\&3  
"-"-"; 8|a{AJDd1PD  
FDD(~p  
bwH? ,0/ox6F('SJv5Oliuruxzq9 @/LXNUd#  
T  
IQ9aie!(VQo#~2/&bP\$e\_EX#^Bz(uBjQqxU  
B1,\*\XHPI!&HU(#`W #99HUZZ37vI(c1Y BmZ  
endstream  
endobj  
162 0 obj  
<<  
/Length 14808  
/Type /XObject  
/Subtype /Image  
/Width 306  
/Height 172  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream  
xXEE.)vawBt!@ \$@4\$-sSK'vbc3 ew{8\$y  
;&/"+#6&b  
0/\*(,?":CC&k  
U LYIIQAA^&'wO  
XY999yrALD'QJ!!E%U5u  
ABQWSjh\80dQ!E2.^ \*pC+tA#R  
  
J8TF9w~>~?nllD]m@&3~4#c:eeppH\[[KKS  
8\ve&DP4)EY.dGqXh z:  
210Bj=m`2LhT-Mz/dGN+d h @IAV,K  
vqffBj;rF,\$%F{9&jJ9.pjJR|ITXejDVJUXXJN^9  
-g{(\$l|\_ElaanjK["8=>S@vOO[wrg  
9).\*LKpC"t"lVBB}C7uvzr|t\uY"dm|lnK%E%  
qRLDO\_y>ts|jzz] +JOMJk hji-KFPGS\_d>`in  
NI&MOSG=O@"tA^VFZJRb|tT.z{8[\*]mU%9%![C:Zk\*f5^|\  
|9v\qa)w4FLLu)KpRR"R|66\$EUXMtI.}  
oottBddD%89)bGKJG3e9{&g\*./=]LUOG  
i59l~&q|wz~(4N2L@57;DdaY\*1X z&e  
YXsS5lf\$Écm!SV(ßd)2%um]!03333ey!9}OqxW  
Aaf,['hjik<.h-u|+\*4>|U@lG/WB<\_5  
Yc  
MJ)8) &%MT[aaftdd0srK+,>SVYu8lhl#Moo2@Ptk  
t6jv%'>YZ^[X\_[Y]=:p,A~FQAQHLO`XTIBrZzVVNn^~!`w<4  
  
O" BheGHF;K&<Lff,6gd2n>~bYbb+94?31:  
0Ndw/pMuuWU=?4uui&\${.p~1#3=9 MKNNIAR1  
g:``'dut!vM8;!" bE^\$TT@L771.1)61Q`O&0  
Y+U+E4R#a7b\*Gt1G9S yekga9!&j|.bp<y  
  
oBiiS;Cm\$Sdaay.02\$glo1La!\*v

██&█S█\_k███c██████████A███B██████████I█w█Xo███o███o███C█⊖{███c██████C██████████\*~c!██████1███E███@{███  
███c█RJ███j&██████████Z██████P██████m8/██████████\$██████en███s███u███ow███'W███e███b███;██████████VÔ███F███  
███  
y███:█-███&███&███&███7~███A██████████d███@tB███3V██████U███~;x██████████wn~!███IY███%U███.███:███[███ffQ███  
██████████+███LK██████████{███P███/██████\$██████%███]H███y@<\$█.7██████f███Q4██████b███I██████r███~███96>>  
███A█ic██████████]X\^}██████████KW███{██████U>██████,███5██████████pG███E███P█i█d█9██████  
███eU██████:███7n███b██████████E██████,███t/i███]MM]CK██████x██████████[███:/██████b██████DO██████P███G███  
███i██████████7███(Z███-███Q██████████b:y%███  
██████\██████3███s███w,;███A█5███1██████d███zEy███:█%███a~███ITc██████████q"YI███<███}██████████J@██████YXC███  
███?███z{"███f+███S███{E██████xG███sGu███Jb███8H███I███sD███vI,███o█████████████"]  
███\*███'███F75███J██████5███|}██████'~███n███M███>J██████\*███bD███S;:███yx███;███(██████%███N3███a███0~███]███&███e███AE,██████X,K███  
`<mS^██████ES[███o███kl███SQ██████(n@███r██████^███.██████P███FE██████%\*{f███"c███m███X███1███'b#██████████J███U███  
██████Z███i███\c███F███w███16███2e███9██████&██████N███v███B███(██████I██████;\$██████u███Q███=e███F███'██████████  
███W███+███wP███)███`Y███T██████XP██████9██████████,███6DAG███  
███Ccj███>███'███#███8███u:███N███rE'UqI███a███W███W)%███[███w███De]███<^W███.███,ia██████i4███w███\_███P██████%F!███P███  
endstream  
endobj  
163 0 obj  
<<  
/Length 12826  
/Type /XObject  
/Subtype /Image  
/Width 365  
/Height 148  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream███  
x███]wXI███~███.██████X'██████E██████E███Q██████H██████\$██████D███m███#K███\c)███8███8Nb███K██████YI███{wY██████████~███/  
███v███YL███b███-███J███k███8M\_██████████tu██████01██████W███Z██████ZLTX██████████M[███9███+K███gG\;███R<███o███'  
███-+███g███p███JK███  
███re███L███u███X██████d███H███|\$███>█████████████P%███s███j██████████}███A>n███:███~██████████8███f  
r2███c#███}██████████\$K███RÑ|██████████DQ^Vj|T██████████#███R)███kB███5K██████████r███'F███y8███1███u███m███,)██████@███%  
███c███H███~wkzf███7███o███\n;][^██████████>███SS3s<██████████/███NW{S███O'███tp███(███1mh███\*███S██████████  
███ea███o███e███^███64██████N██████████N███/███F███.███\*██████████4E███#@███0(███LL██████████f███G███n███M███F███  
3███B)]███<██████h███73us██████+███%██████████p██████████Y2██████,██████Ad███;5>2p██████████N███?███gn███j=Uu0███  
3s██████████q███>m███MK██████Fo███!███BsC███y███qd?██████████PU██████████F███6N██████  
███R███#███p███?███<7██████████@r███~██████)#+gF███?███[Z^YZ██████████p███0;516\*\*██████<███X███S███E███3{jnqeyeqnr  
t███y███Q███n███4r███fS███V███Z██████████~███TSK██████-M███t'███|d██████████|██████4██████████rw███}███C███oieuy███  
██████████2██████~███r███>}███Pf███1[V███  
██████████4███--m██████████I███#██████wZ7███6██████████Q██████████W███A██████bgH9███%e5M███=CSK[6██████/  
███A███W███;H███m███F███\*███5!███m██████████Z+███{███\$███r██████████F███?███N\$███"F███  
██████3b███|███kh██████████VL███[[[███&███<4+███j███;███>███'███F███I██████████.███Z██████!3██████████-██████  
G^Om███~B██████Y███t███!███(\██████████%██████████@6███&!███A███Ee██████d███?███<██████/%███:C███  
1███]+RV██████T██████,██████<███\:w\`cp██████dC}███]██████████}██████████/███f███x███"███\*zo███^██████k███^b███  
███1███Q██████████I.██████████ò███[███H/███2███q#███@███,███f██████████'███  
███r███  
J5██████dO██████ame███p███V███r███w███kkK███S███v███8███IX███]██████6t███z███QTTr███@██████<-██████|C██████████dc██████oK███  
rr███Jg███C██████?███L██████7██████B██████,!w███y}███do███E███n██████w███W\*!O`██████c███X?██████i███iT███aa(███c███  
dc██████o██████[PD6██████."██████\_S&██████  
██████████g███d███&███+███Y███[]\&OE{███@███@███  
b██████6███@v██████'[-[███I███q███=G███-██████████!"██████████C██████████DNN███<██████y███Po███9███q#<██████d'S███~███1███!  
\$a███"o#███G██████0wJ68^C███9█████████wv███B=██████████+r██████  
███Wr███X%Xg#███,███O███M███5██████████N███;Q███'██████████;[gc██████████C██████h███w{███qt███B███'ol██████Y███  
███w███%███^6███%EE███(███>X██████X?f9██████████]H██████f███t███B0██████████#██████rm██████/W███&!███1███  
███îq███a"J███]\$%███`██████████H██████N███^███v███x█████████.███AP/██████████-██████DE███\*███-@██████V8]███c███  
y███q███zI███5███d,c███!;m██████4p██████████m███f███C██████a!███&███09███f&███BB(f███,███  
w#███w██████████'9███172f███0███F███z4]]███D██████a███G███^██████~███R██████vz██████'███\_██████c██████████j██████i███OJ███



Bi\$B+u'sSb>y(██[██████z4+D██w██3██H██\_██\██████████#ë\*++)))████K\$^████8UU██  
p███:██████t9██████)████aE&j████c%w██+██U6██\$████9-██:^UYIQQIY████D██.██F████)████PW[KKG████\9}Q██  
██vq@████/████U████,██xÚ███/██^██F2~██G██)o██JJ██E>██m███]LI:████ZD███^██████{w████V███q███H██  
██@██████████+██L3███PSUU███3███?██s██b██H██D%██(██b██F~██p██\██|██L?W{██████████YW██████  
██████G██PSC██/██\_██g███xy=w██|██V██s███&z██████████m██Y|████x███:s██E███81██{██(██d███2███'███Y██h██h███V██  
██████\]████,██rZ███!███q9CW:███W██<██████D██@ie  
██  
J██gv██u██!(███\$3.███~██|██:██YQ██w██T███t███<W██m███%███>AMIA███(██████████>o██3|███"██████+']███████████:██h██  
██S███H██oVNAE]██████████9██J███ █████p.██████████P\_█:██████i██████B██████U██████HI80s██████████████████████@████  
████Y███;-ax███&██████yk███Ooq██Ms███.██=YW██████████\_p55██v███70<:66:██████+██Y███1██U███\$Sk███{~██████s7'F███  
██████6██████████ff███\$██1██████████T[V██████████,███[██b██████████x██████████Ù██████████v██r██████████L██7{K██H██\*███  
%>██puCsk{Ggg██████████5e███"███E██(b14██HP██k██-l███#██K██T██████████wo██████████████████kWz/u██m>QS^██████████  
██W██k███J███.███A███&z███:██[██O███)██KO███sw███@███K9██████████2<███1██████████3m███;:/██████~██████████H███  
██████J+███j=███~███bWW███C██████████LvID██████████K+'F██████a██3!^██54██Inn9}██████P███,\*██████████dK5!███  
g██\$███e██n██Px███^vf███;a██dh██████████b███/███X+Bmx███SY███1███C██████q███i██████i██R███m6\$@R██████.)K██)███B██ut███  
m███cs+[G██████████Pf███+j██████Q███k███°███K███████:███BU██k███Q███4:██████████████████\*1██████████h██Y███N███  
endstream  
endobj  
165 0 obj  
<<  
/Length 13356  
/Type /XObject  
/Subtype /Image  
/Width 300  
/Height 166  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream██  
x███}wXl███+███████,███;██,}███w███D███!███&███|███@███\$███████  
██████qb███5███5nq███c'.███U███9███n███E███HΛ███{███R██g███9s██33███g███i███i███i███i███i███i███;██████kl██ki██9██J███  
██████H%██F███;vx███X,███46\$███ACa`4!E██████████P██tox███ut███BMMMML███TC██████████QB&███B███\$e███]/██████  
██R███(z███:██QYQ███O██RZ███'██████'+K:███fB52███Z22;███^███It███\██F3███)&██████████<███\*██na███,███z:ZHM███\*███  
██}YL47██████fy███:██Y[██████kk███()██V██CBb███=███\*██████████]=]██m-███U██%██Y███@███w███@███@███s███22O███,l███  
███T██+███BXIZ███jmozZJbl███'██████dki███k███ Ò.███/███w\$███r9A███NL██████EGCm███?}██P5██K2██████████████████r██g███  
██████S██j███  
██S███"██X███3███A███.███b███o███z███b██████████cMu███{s██████████]███4C]M██████████l███-h6}███IG██C5%██████████N██3██████  
██████"███}\██V4██b███x██████████?███488x██████████TK███~4Y███N6██k███[PI██b███G██kJr███V6███7███O^███3/███D███  
A██6^███.███R██g██\_██p██ZZ███████████>███~██dk███M██u██q██J██████████8WW███C███9x██b/p███████████{██████,██J███  
███jo;q███<l███R██OWks]y~FBD███  
███um██████████4H751r███{Kp███53P███'███&██████<`u███████████z███Hsc███████████%l8██AG██████████e███|███  
██ded███████:v██████████PU███D██h██p~███}██XIh██B███s███████████&c+p|x███:███/███&dt{a███e0+███Z███████████NO███  
██,l██M██5██████████]pw███^██n███\*K███2███%q███7██Y███'██████████=███91m███████████{s███W.██mk███\_███'5:██████████MB1███@███  
███d███████%kH13███\$██████████f██F███████████@███aaF███s███████████qa██h%██pT███Y██████████fs3███  
L██Z██Z███@███E[CUEYEE███/███a5h███v███#1███;███-████4███|0███  
██[███A███,███1███=██XM██!G]███5DK███\_VTR)"███,██C██████dn██████)██████████ty██████ty██████A>███,██X\*J███  
███.██E███%██████████  
██████████>X██████QC███1"███;\$███^<███/35.2██████████KSM███/[d6███;51██████████F███Y███  
███Y|███z:███9███&██voqanzl███s███a,W[███B0██M██hE███Q>██7██6<███,-███d███nc██████████8██\_<███[X\D███]██M██P██T███  
S██x███?███Sw██████rt███2dJ███!>███]███  
\?5███.\███Z███LM███,███}██8Q███y██████████55██j███████'███]██████████S██^X██N███"███  
███hbw}███>██a\_███  
aU███%██H███|u███████z███)███  
RZ███{███N███\███o███9^"J███+██N31███Y███x███,██████████s███████████UT██████████o███9██d███1V]███>~<███\$\$\$O███  
\██6███████{8███X███LMi███.███,vH876!)5mWFF██████████=y███Ee\$██████████^8███~███████████]██████V███"███<███H███+███████  
███e███Bv███2███████B███|bK███g███}&███-,███  
7+HE)██d0N███████████"v\_██████████bg███ephki███S(███24██RMitk██yB^███,██üN███  
v=███\_!██████ZP███\$=ii███1/██X|<███TS███L███g███!███)███████████████████

██X██.██p███\_██E██BY7██a███>██F'██\*)██%██^8C███&███03███xAX███v███|  
\$██Ww██!███b███/██K███}'███P███#u███F5██P██M██/Kh███1██<███; "i██A8███=TYYYEJ███K███d███  
eX███6███j██SkT██QHv███  
███+██Z██"██+K██{██on██V███\$███u███!y███u███H███io9D███{███  
(Z██2██\*██E██]███a███+███O6███J██#Vo███Vm███hP██R███X███QPV'N███~███<███  
^1██Rw███m███Q███,██bl███#██\*██fm███DQ███4^██[███8██~>Q[██-███j██056███>\$2+███  
Dy███X███b███\=███>██5██)om███X\$███hm███-███g███f███'██/██u███+███g███y  
███5███A██9███"6^██T██}███!^x███|███.██α[X2███F]g███Jp███xvq███&███6███g███  
y███N██/███d██s███z██M#██:██Ct  
██t██b██)██MBEUM=███\$██=x███u██4███O4██/██N███@?███a███Lb███Vd██w██ #███e0l███,4███K███  
███6██e██T5u██h███^███=915███"███8'-███Z@███>██C██@██+███8███(██fa██t██'Q██}██2██F███  
t██>██}G███&██G██.]███5X██Jo██;██k███M██P███0,E███S███w@██&██%███|el██h|tdp███rs███wv███,  
\*███9███=███\_███EM███/██~███(.?39███n██w███~██|\*███  
p██A[V██.██j██;h███g██l███2███#a███g0███>#t██?██|███\$/#)\*███i██+V;'x███c███;+82.5███o██(███  
=██3███W███\*██s3███T██X██<%~██\_██g!███&t██GwVPDI███C██/███;W███z███8y███=██Z<███  
██0V███n███T██#███U@███n██z███^+((b██a██cY██X██l██:██}██\*███z{███pe{s3P██?██r███4██>███R███  
██Z[y██!███=██)██@██3███x██TFVV██1██8███^███--8G██ú)U \zrld███k██)&V██Y███K██Y██:██z██s██S██r███  
██S███cg██=███8OT███KMS██B███`Z███%e███U55██jj██++██J███wq██@███?██}zGA^^A██8██^~A██T███  
██c███qp███\███WUQ^RT███u~███#███6███C███,██e5███}██O██:██x███nlBrZfVvn^███+)).██[X███  
Z██9██z███sc███SRwa███@Y███)███4███ig!███L███f██6███>~██!███\*███Fm███  
jh██ZP)i███Â███6███a^██eVW██{███o██\*)███!██oH███x███3██\_██hh-██0|███|h9TPF██h███L<██\_██L███  
E██%██#███Y██"███<z██]\_o███(X███`██j███MO██/███C███J██@9\$██Zi██!███tt███PL███ZH/e███d███  
endstream  
endobj  
166 0 obj  
<<  
/Length 21311  
/Type /XObject  
/Subtype /Image  
/Width 453  
/Height 188  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream███  
x███w██\██W██?███H███e`███&H███R███ "EPQ███PQQ███bM███d██-███m>██d██:███y███a███^███J2███sr███  
███\*██N██H██{███iy██J██M██i███\$███G██>███aB██~██Wk██?██H██"███K███F██9u██+██R██u4,██s██~███h██%"%%--███  
██#███UU██e██%E██W██G██7███JH██P███  
W███U██9██U███^███SZ██e██55u██M----m\$ZZ███-7███X██)███  
J██Z██?45███T███\*███%███y██(██3███`d██;N██P███IE███27███J██iks███ZN██\*███=███g███W██8██jgH███  
e██2Q██sJ███#██4███`██tPR███"██a██=q{wwWt███m███n██vV██&███L███C███1Q███Lc<D██D██\_██^██&██.███'███  
██/  
7██y███)███M███z██9██y██`██m██>██h███,███M██\*██XS███TJk██/███S███&███m███  
r██w███y██9██{Q██#███C██j██Q~VZ███?██w██"jx███T██:Zf███/███f███\$Do███AZ██k██(rWk██)██R██XeiQ^FrT██?x███T██y██"██F███  
███  
███'███2██/███j██J███/rF███O\_███=██k██+██"███M███E███^███2███"/z███[███j██-███4██l██~███  
███V███G███v███y███LP███"██k███|███G^███/6███9|p\_frD███-ZPE███}██~██<██P{███O███  
^L███t██V██k██1███,███;███@███Z██/██=]SY███d██d██>██a██"██rC███~███X███{██w,███  
0tt███R██0██>zrr`hdt███WWy███SG+██sy███g███M██Ah███W██8██>███~███"██s██m██n██&██T██S███  
██q██57██/%\*███X██:███BN██?██w██^██h<Yu0?#███t███  
"███o██HJ███,██u██M███z███j███x4███u███"███~7██?<695====59>624███2██~███  
███(███n███OM███"███uu███x███?██q███^██v███[███al███v^███T███\$██9███f4███u██!███  
███^R███jom███T{██f███'██t\_o9{███u██rw███W██O██TW███A███?51███  
r███IINJ███%███ijE(███U███?){jn~a~nj███,██<███~███@Wk███#███fx██1c██\qN███|██zWo?███tki███{███  
███Ss███Sc███fTUZ███7███m[██GK███'███u███k██]██}██=██p██;███L███sGdD███rV███  
██\$Gln.███v███:75n;███d███SUM][CS███OPhdL[brJZZJ███'███O7W███W██o██g██aT██\_3V███O███U███  
███OO███:d{███L███@██w███Ve5=███q███q██5███'██o^x██{██;███Z██3██#██<██-M███  
███1██m██-███'1:<███-███07███2██v███o███MO███\_███~███]███\$███=███r3███Th███

>?O9rb rE N\$=e<45; &b' ?|tz| w p n 7f ag s AO6V  
@a D% skinb \*4H]]P C ' SQZ yQEMS[ > 3 3 qtO p N\$ q 9qz! 3(  
Z / !. { D <L9 w" t F& L& x^p !p" o | ]Ga5' \_D @  
\*- -, H DZSMUY YEM 1 A B y -i m pLN PGK]]MCSG aji  
F @ P e R#A g ; w 9=]J \_ Q ? nç+XM= M5 eee uMm}# O @  
zz' > 075J m [ =HP Op b; { B < I \$ a C D xU D j a=PV GWk'W o\_  
@ A # S3 E  
G m ' aK Y v % ) i7RD r B j B2 t ^@ h 1 N N hFh Kp # i0 D ;7  
 ; r 1 l q / u cl E #u X h i Sb }CS f B /, - . q E "%-cA  
 l CN\$ 0?7N D  
 ; o, -pV 2 j # py < 47 \_ z{ ona : ! \ pn j N Q k e rM ( ? ` Y z#65  
 +7" | :L% r 4O Y f t ' R l t z , bkp" l ] ? Me l LI eH\$ r O .  
 n g x <N ~ 7o 8? w z W : K 5# ! l l l G ? @ % G = n X <6  
 5p 1 o \$ | m P <y | J @ = 9 q 6 > ' , p 6 " >2 :  
 ' uGJ y uA [<v") = \$ A <o { D \* g Q B & \_w " S P  
 P ~ sk 7 \$ b E +D < ' ' Z { W l q : @ V ~ JK?  
 r Kp GqwY k J[S > % r  
 p j uM e \* qr # 3 Ww DR < n | ? \ @  
 \_ ' 3 & ) | k ` d Dw 8 l nO]\* @ " D u r ? n a ~  
>3 ) N  
 B @ t >Q ?3 3 (H-Dcl0 { ' c 5 . l By y "9 S n 1 c 0 6B Mc  
 d H= B % U e SP A x J " Yq - Z / P 79 . a ; 1 < S0 3 = <  
 <85 E " { b E M ' pqqqvr 3 6 = \$ # dy s k =4v & V NK ZZZ jj J \*  
 s - A f ( Fd p { i \$ O @ R Jci > } PA & p!  
 allbbbl .  
 G } z l / ~ O { n n x \ @ 7 S ` + m z  
 Ble p & W @ z p " K n T - } ( \* ! < " j a < . h3 / . K V / ^ ,  
 G ] > ; 9 a o @ z R G f x e E o l 8 " , \ \ ( h 0 % > 7 < E r " , 5 | w  
 5 > J ` K  
 A TF v G B b bn = ) l 1 NC Eq ) H4 E OWi # | ` ^! o  
 ree & E ( \$ / p r EQ j ! \* f % , l m t 9 4 Z  
 . ! , ' D x 9 Ao " A \* L ' { < Y ^ z ~ V 8 h j & DT R V A < = v K  
 ^ C0 e6D 8 i j d CL i H Pv z 9 ( E { u R \_ x W q q @ : P dm Ô  
 9 h dge Z ; Z4DwE K [ : s B X \$ @ t zmP | m + / L ; T1 P x ! 2 O  
 ' " Bilddlbn , \$ Z yb 8 ! ! ! # 9 i z \_ y m K , ZKkB w XE L \* 2 t  
 n V j 2 L a 3 ssPS B ] TWS T \ t=a5-#s \*2 @ l < x o q ! & 0 " h F  
 & M gh s # B29 > 6 8 a | ~ 5 B ua 6 r ' m c X J -3 V g X M u \*  
 M h s SPR ^ / ^ z z [ G W W w O O D W W G k W [ . o C NSCKG a , 9 -NAB \* a K  
 " { 9 Ô ; 8 O y E GO 5 m r z { { { G i ~ 6 k m m r ' x B V  
 l p T E e L e : 4 k X 1 Z 3 u P 7 # % > , 1 U l h S L y L @ ' o ; \_ ' \$ @  
 2 c 9 Q U U U # v å : j < H M k G 7 % U G nh : c \_ ] Q Z V  
 U A 8 - g \$ y t : Z 0 \* Q h ; R d d e + ( ( ( , / de l l q l [ " z 0 9 N T ' z f  
 H ] q 1 C | Q ' Q ] h AU J Y v K . 5 3 c ; & + s Er 2 Rs  
 ; . 9 y 7 j 9 h d J r 1 | HEO m # " " # Z \$ @ y b ~ ^ 6 p  
 % w D j ~ ` g a L # . N n V n F ; g 7 O o m ; Q - o \ x z f 8 k , , + [ g V  
 ? [ ! w 0 a { c - - } R j 7 K G , , Q s e & c NC # c D # C } P 9 i ( & 0 Ga  
 d # W n l k d ) v w < k > \* j j Z ] t m T 9 i Z ) 1 O A = h - D A 2 t ~ >  
 " m ; π ] } s G A > t { - % 9 J ` g DB - ~ 7 G 5 8 P 9 2 2 < c ' l l J J  
 5 K c EPH { 3 %  
 P S b @ \$ - : Hst e TRJ 4 v T = & k ^ R F > e B } U < WS w  
 i Y JE H S J . 7 o k " H ? J Y ) D Ab " . j H L Z , AB K { ' e " F | \$ FO  
 E . Y Z g Q X b U r 3 Q { B r ' H A ( N H R  
 3 us J H ' - % fy m D t p E A \$ M n - Q M J D ) ! 5 R a Ç 8 C J  
 x d CA W c # M K a > N = s A d D \$ i 0 . @ D x R M  
endstream  
endobj  
167 0 obj  
<<  
/Length 22158



#####n)#####{E&f#V#T#o#m#J#s#m#;U#m]#O~#####{#####g#X#s#:######:##|Bb#####/Z#j#M#C  
##9##y#~#}##y6N#####%##jj7m#~#"###z#89::z#####RTV#f#####\$#####(##G##4#;#?#####  
=#B#####.J#ru#M###6o#a#U#####|f#f#f#>=#m#Ok#W###bEu#z  
b#####uk#####-Y#?'#)6<P#N-w.T###30#####}[::Z#=>#e#@+YG####-b#####\_TZ^#j#####n#n#Y#r###s#S#  
##m#V|###gwq@XlbZ#y#####ss3S##C#####H^[t#t#t#}####'O###h###!##|I(O####)###Y\$####IH####/\*YR^QY#  
##)-###J#####j:##r###mt###]#KK###]#####aA##E%#%###/(#####b#|=)#f###4#######;#####  
#m,xf#wr#####  
#####rs#i#t####,#O##j#76#:#ve)\$##C#2#R8##\=#B#a#d#####HE##Zuv##4###.###}##r###s#<#  
#####8#\*,w6G##++g#|####;##h>#{#z#"#pZ3#####v#####|##Y##S#f#D##p####0##iJ##.######  
9F-###To#####~#####C#####> #m#LyV6v#g###H\$rsu###K#f#F#####F&#W{#####C#.#@~###:##p  
#####  
#####\#v#V<S####c###2\*#R.H###R^#####Mu`###ZR#####t# #B#P#Q4\K#####5###,##\###o#  
R@;#####Tv;####@###{###A#9{A##u###|###XS#\$?3A# #####R[#####<Dn#####t###,#####K###%#  
C#####N###]#R#MMMMML <#F#####4CdJeZ###]#}##?#####0{#####5k#+# n#####n)###z#Tu###"mlll#####|K#X#  
(#####f#+##L#.X#r#####++J#s#-#@#u#r7#L#Y#6d#####h#w#{c#&B\*#Rd?#####-./[4/3###Z###rR#E/####]CU/  
#P#)#y#E#E###?)#####S###I#G[#####|#####CDW#`#>###h###+##:#####/,-+[R# #yN]0###B/#CC####E1  
#.#?#####A#f#+,^X#`~N#D##Y#####+##vS##M###q# ####4!##G#3#####d#(##Z]##.######G##O#  
#####hw#<#A.b#Y#:##v7#####vx\*###?426nV<J####.#S#,######G##O###]#####^#####C#  
#22###=#B###SRR#fE#####mH^###G:]#n###Y#####n#\*  
#@o#<<#Tw#]=#":6.6#####(##p###n#####!##8###C#cb#b######\#####1#####1e#####|#####n"###]###d#C#6#K#  
#QQ|###O#\$#####j\#####6(##MOG!#n#d#d#G#####s#####3Aa  
@6(##J#2####\_#X#'####F#####U#0T##O##w#pc):#####B#####H###G#F?##\*###|X##Wl##w###L#  
#t###<1####\#####dal#####ba#,u|##X\_dz#####g~###b###a)#t#D"#o#/#+P#+#@##J#####\_#d#m\*######~#  
endstream  
endobj  
168 0 obj  
<<  
/Length 18479  
/Type /XObject  
/Subtype /Image  
/Width 422  
/Height 187  
/ColorSpace /DeviceGray  
/BitsPerComponent 8  
/Filter /FlateDecode  
>>  
stream#####  
x#####T\#####w###0###C#####w#E#"#H#Q#\$###!#h###D# ####P#\###qK#####\$/v#####>#N#{#####?#d###9  
#`#####j#####1\$#2#Hb#####G4\$#H###|######G#\LRR#####8###C#k###^EK#####j#####71v###O#####  
5###,^[#####KH#>#E#A#####?^cu#####V#####Gs4###V#####d#U###\0qb###G#Y9yy#E%#e#)))\*#####EM#  
E#7  
#####PA#9  
#N###  
#####\*###Q#  
`%/!/#-#####F0#####\*\*\*#####\*\*#\m#)L{#####{#####Á#####Z###F#+#####[#####<P###C###h::T#####:EN  
#####h#####H#p#####kcyV#####t#####  
@#q#;9#####is#?#####~#T0]\_#F#"#T#####F#####W#O\_\_\_\_#J#####{#2#QM#####P(##U#4R##8#####  
#####a#####^n#####;u#8#Ta#D#9A#####H#`'#####TM#####Mh\*##h###|l###q#####\#m####:#J#####|  
#^###D#####h###k#DXDX#####3#####c#<###,M#t###H%###k\$# #n###5###N#/#Z;#####  
#]#?.##T##G#}##reazl###|#####q#####tm####(##Q##\_####:####IfRd#####9#U#####{#]55><###;#6  
##2###GH#2#####{#o,/N#####P#t0###(##)g#####sU#####  
#~#####J#####&áy######"###gmj@|##zlnq#####{##?#####`Ok}#####;0#e\$#####  
#####|###/J#.#/##t6#.#+<#|###>#####(--#####5#>^#####GL~}vy#####@g####?#####P|#####<=#%#a#(##  
##>##+#####W###-#M#H#+##?#####g#F/v#####\_#####)q#####a#S######5#u###@#/#/##z#\_#####4iF#v#####  
#e=#ln#####;#uv#####h#####P#####W#h#3,#`o#.#"##7a###Q#####o###4=C#####o#@pXDTttdxh#  
J#t###nm#####m#####a#####}36###y#J#}M5###s#D#d#####x@S#x###P####;8<FL##b#####U#R#(###KJ#+#i#####  
###r#####J#####@/'#+#[#####Z#####aD3#\_1#7#T###`##a#L/#####mX#####G#W#####^[#####2EK#####  
#####g#0#####s@###4###b#####'##w#n#####a#T\*UG#####o#####Kc#?#Nwx#(##N#####<#  
#####%E#####W#####5X#####9###!#C#



[y<b/bGr7\$J78<::bVV)(IH+L\$,(J2j;b.P?#{w#o1(a<1q|4hF&d(u%k+/#+I]SKJd40  
itA SYVL<UR5Nlrr{0k6.L1:q|vPR%fn|?K"o"  
zgg@GGi]3D<v5O'RZZV^Al@]v%Y)1QQLL,98  
% zjG#]249916<ws(j);&<teK#-}YyEe[5R@pCf~11\*]  
K'q|<-}9NbK)mq#KSO|+X|oxZMssVNt  
%C[ 'aAh4g2^zmm}2G/bXR=;  
:1f'gK|\$^Tl2(;;ao:vGdqu-qq<;^]TGOp0  
TtffJLRu}eljvR#jkjk:q-[  
z0wAq/|j]06ss "&' /NZC0dxmmqggY WUa)C  
r<Pz3,AYY  
'u|RA @ZA\$W.JŠ%bwccUT(5m#R  
t hzzz4m[Oj]m5H\_`y&AKr%V#w00eQvrL^O{  
<7pe3F:Z^y( ~\$]YQnz"tVkh(e\ n1Qdly8{  
NHN.8Z~Lc[ ++os{ =g!~o\_yppN}!:F/aJb"  
\*4Sg@Pj\*\*=Y{ %mm|||b,O/!(8K)awhgm/WV3  
| %;#OOG[W;n^\_Bz4m-Mu#[\v  
+Mkn7#B/<2y0.[|SA />v,JssY[E d>|ln?{eE9y  
6gv\*Q52q[pVrr3AW\_ =s={+ ,xIx,P> }|!0J.3g  
\_l|&w e%AZIGN|<~&rwqt27Qg} " &  
MHJNMM1 @egg6;wpp'Yxz!:[\$ENoK{g[ ^\$> n  
O(i)9Wu m1X-ùi<cjNd'tVPq1AP18dfe&d" F  
P<Yz(+9&Og[  
V] ,!Nz d\*H+,CRR" )<\wH9'n'LVf =cIF^Q \*f  
.labfrrv k'a n \$?#1\* \$p @qR(A\Urr = ' '  
eUT)8/A[ t>bA? -! = @Jq2'c{ ~5 = @JJ  
Rod#41Orr\*yi3hokgt4e+ffx aff% .e\*8g khi1~<  
uw + V(Z& '7xK}6d6Lsæ}8;9G`8  
[Wgg Ybg3(\$W guu- .Fqe6\$% .%7;R^} =  
 } " | " \* |  
Crr[V1s"Gf;e8DEJWAY][?46%Pleu]CSsK3!W5`ikS4u \_! ^X  
nlU<UuDEl z ~BEM ,#]-{Tl0oG/Dl} opUkjNW  
]S[w|k{|,Ddi m[ N,EDo; c] odU{ ~&} = ] 'P  
F4CSkhj  
322\$a+PuA dJçS3srsSSS)9  
@z2%|V.AA^8=\_e d5^W ( <3} J< CB  
D ' !&VvffzZj2,+hz;Xw(-8C-yVfVfpuDm(E Nknh  
IUc&H' ]h` d-  
u5vCPTK-@U5gΞ=Ss=b @FF\$C'eJrr  
@ @O75 | \_6{1})6 " ` &5% ;Y:  
dE\*H!1lG\*kNWSO.HZ|7++nDWph)++(eG70f

J(//,nnN+

{c+

,,Dk8(4+Ysyy|mx`HBOF+i%(#\_bX'nE&'aU("H  
H YxPs1";U0QnfvNNvfZr|R2VJF(&+Am|1\ =8> }8.a- t1  
H?Pôu ry t?{dxc\* <f>Ecr t{C\* %x8> 'm; q

endstream

endobj

169 0 obj

<<

/Type /Font

/Subtype /Type0

/BaseFont /AAAAAA+LeagueSpartan-Bold

/Encoding /Identity-H

/DescendantFonts [173 0 R]

/ToUnicode 174 0 R

>>

```
endobj
170 0 obj
<<
/Type /Font
/Subtype /Type0
/BaseFont /BAAAAA+Minion-Semibold
/Encoding /Identity-H
/DescendantFonts [175 0 R]
/ToUnicode 176 0 R
>>
endobj
171 0 obj
<<
/Type /Font
/Subtype /Type0
/BaseFont /CAAAAA+CAGenerated
/Encoding /Identity-H
/DescendantFonts [177 0 R]
/ToUnicode 178 0 R
>>
endobj
172 0 obj
<<
/Type /Font
/Subtype /Type0
/BaseFont /DAAAAA+MinionPro-Bold
/Encoding /Identity-H
/DescendantFonts [179 0 R]
/ToUnicode 180 0 R
>>
endobj
173 0 obj
<<
/Type /Font
/FontDescriptor 181 0 R
/BaseFont /AAAAAA+LeagueSpartan-Bold
/Subtype /CIDFontType2
/CIDToGIDMap /Identity
/CIDSystemInfo 182 0 R
/W [0 [342 0 0 273]
16 [442 0 0 727 0 753]
36 [784]
38 [753 738 580 567 0 762 308 469 0 565
946 826 877]
53 [716 672 596 744 784 0 0 736]
95 [273]
]
/DW 666
>>
endobj
174 0 obj
<<
/Length 301
/Filter /FlateDecode
>>
stream
x]jj0E
-E"C`iiii
jY_<[,FWzF8nn!:`nA`KRnWgB5v#`V`O`w`f`X7
```

```
endstream
endobj
175 0 obj
<<
/Type /Font
/FontDescriptor 183 0 R
/BaseFont /BAAAAA+Minion-Semibold
/Subtype /CIDFontType2
/CIDToGIDMap /Identity
/CIDSystemInfo 184 0 R
/W [13 [242]
34 [652 0 660 0 560]
46 [886 0 0 0 748 0 488]
66 [449 0 0 534 426 303 463 0 275 0
0 263 821 550 519 533 0 380 371 321
547 470 0 0 470]
]
/DW 220
>>
endobj
176 0 obj
<<
/Length 310
/Filter /FlateDecode
>>
stream
x[ ]j0 z96 yK0` C i
jY o_ qR A oF eS5F{ n -z Q $ mX o n9v e 86 X O Og5]q S R
.#]B t) K D @ J jL ? :L3J L "U H d 7 R u: 7 0 u 7
endstream
endobj
177 0 obj
<<
/Type /Font
/FontDescriptor 185 0 R
/BaseFont /CAAAAA+CAGenerated
/Subtype /CIDFontType2
/CIDToGIDMap /Identity
/CIDSystemInfo 186 0 R
/W [0 [267 0 0 223]
16 [385]
36 [653]
38 [639 728 594 525 692 777 364 361 700 571
889 737 735 604 737 671 545 600 720 648
934]
]
/DW 621
>>
endobj
178 0 obj
<<
/Length 261
/Filter /FlateDecode
>>
stream
x[ ]j > ] , M2] 0 Y d F E hB
] KE t D # [ Bx h, ) J F ] ] M * _ Sg G ~ h V8 { 1 ; . 3 Nh#0 9h
endstream
endobj
```

```
179 0 obj
<<
/Type /Font
/FontDescriptor 187 0 R
/BaseFont /DAAAAA+MinionPro-Bold
/Subtype /CIDFontType2
/CIDToGIDMap /Identity
/CIDSystemInfo 188 0 R
/DW 500
>>
endobj
180 0 obj
<<
/Length 229
/Filter /FlateDecode
>>
stream
x[ ]j0~
C[M|Z[B;H {uU3{
Vc[K-YgOiyvzx_3.85N.xf&O3>3qA XÉw ]C>
T^in)!B5R,xgN1B@o;
endstream
endobj
181 0 obj
<<
/Type /FontDescriptor
/FontName /AAAAAA+LeagueSpartan-Bold
/Flags 4
/Ascent 900
/Descent -350
/StemV 203
/CapHeight 825
/ItalicAngle 0
/FontBBox [-167 -351 1446 1187]
/FontFile2 189 0 R
>>
endobj
182 0 obj
<<
/Registry (Adobe)
/Ordering (Identity)
/Supplement 0
>>
endobj
183 0 obj
<<
/Type /FontDescriptor
/FontName /BAAAAA+Minion-Semibold
/Flags 4
/Ascent 710
/Descent -224
/StemV 156
/CapHeight 650
/ItalicAngle 0
/FontBBox [-146 -250 1126 830]
/FontFile2 190 0 R
>>
endobj
184 0 obj
```

```
<<
/Registry (Adobe)
/Ordering (Identity)
/Supplement 0
>>
endobj
185 0 obj
<<
/Type /FontDescriptor
/FontName /CAAAAA+CAGenerated
/Flags 4
/Ascent 909
/Descent -234
/StemV 203
/CapHeight 631
/ItalicAngle 0
/FontBBox [-460 -324 1120 874]
/FontFile2 191 0 R
>>
endobj
186 0 obj
<<
/Registry (Adobe)
/Ordering (Identity)
/Supplement 0
>>
endobj
187 0 obj
<<
/Type /FontDescriptor
/FontName /DAAAAA+MinionPro-Bold
/Flags 4
/Ascent 727
/Descent -273
/StemV 188
/CapHeight 651
/ItalicAngle 0
/FontBBox [-318 -360 1684 1024]
/FontFile2 192 0 R
>>
endobj
188 0 obj
<<
/Registry (Adobe)
/Ordering (Identity)
/Supplement 0
>>
endobj
189 0 obj
<<
/Length 1963
/Length1 3124
/Filter /FlateDecode
>>
```

stream

```
x[V]PT{E>_5C@|E@J@Lqms3l db3V8jffD'c;qO;~
{33
3X|x rT X y o $] ] ) BTGu ( rX cC ; . r !
A.%A-}>}aEE
```



/Length1 1308

/Filter /FlateDecode

>>

stream

x███OhTW███7███1S███h███tf2███"███PT███F███g███ff███03H███.███h███"ETt███[███+███"d███BJ███.███;7)-███w███  
███p███d███|███N███-███lu=███v███>███{███Mx&x███s███M███|███d%███=███^███?███#███  
███w███{███wM███!███gr0███J███#███m███-;███}Z[███N1███;C███mudWO███?R-███^Y███&███6O|,███%  
M███\*40███c███4███l3███01███!███

endstream

endobj

xref

0 193

0000000000 65535 f███  
0000000015 00000 n███  
0000000379 00000 n███  
0000000436 00000 n███  
0000000530 00000 n███  
0000000580 00000 n███  
0000000152 00000 n███  
0000000648 00000 n███  
0000001451 00000 n███  
0000001524 00000 n███  
0000002288 00000 n███  
0000002347 00000 n███  
0000074956 00000 n███  
0000079778 00000 n███  
0000080106 00000 n███  
0000080436 00000 n███  
0000080767 00000 n███  
0000081097 00000 n███  
0000081428 00000 n███  
0000081757 00000 n███  
0000082087 00000 n███  
0000082417 00000 n███  
0000082747 00000 n███  
0000083076 00000 n███  
0000083408 00000 n███  
0000083739 00000 n███  
0000084069 00000 n███  
0000084399 00000 n███  
0000084727 00000 n███  
0000103888 00000 n███  
0000106790 00000 n███  
0000123914 00000 n███  
0000139495 00000 n███  
0000163730 00000 n███  
0000177357 00000 n███  
0000198289 00000 n███  
0000231226 00000 n███  
0000255131 00000 n███  
0000266611 00000 n███  
0000290851 00000 n███  
0000314231 00000 n███  
0000331146 00000 n███  
0000346320 00000 n███  
0000357581 00000 n███  
0000372892 00000 n███  
0000398062 00000 n███  
0000425269 00000 n███

0000446708 00000 n■  
0000446782 00000 n■  
0000480349 00000 n■  
0000480892 00000 n■  
0000480971 00000 n■  
0000481050 00000 n■  
0000481129 00000 n■  
0000481255 00000 n■  
0000481467 00000 n■  
0000481546 00000 n■  
0000481625 00000 n■  
0000481733 00000 n■  
0000481812 00000 n■  
0000481891 00000 n■  
0000481994 00000 n■  
0000482080 00000 n■  
0000482162 00000 n■  
0000482241 00000 n■  
0000482320 00000 n■  
0000482404 00000 n■  
0000482486 00000 n■  
0000482565 00000 n■  
0000482644 00000 n■  
0000482729 00000 n■  
0000482818 00000 n■  
0000482921 00000 n■  
0000483000 00000 n■  
0000483079 00000 n■  
0000483183 00000 n■  
0000483262 00000 n■  
0000483342 00000 n■  
0000483465 00000 n■  
0000483544 00000 n■  
0000483623 00000 n■  
0000483702 00000 n■  
0000483822 00000 n■  
0000483901 00000 n■  
0000483998 00000 n■  
0000484077 00000 n■  
0000484155 00000 n■  
0000484234 00000 n■  
0000484313 00000 n■  
0000484448 00000 n■  
0000484527 00000 n■  
0000484600 00000 n■  
0000484679 00000 n■  
0000484758 00000 n■  
0000484834 00000 n■  
0000484913 00000 n■  
0000484987 00000 n■  
0000485096 00000 n■  
0000485170 00000 n■  
0000485247 00000 n■  
0000485326 00000 n■  
0000485406 00000 n■  
0000485513 00000 n■  
0000485593 00000 n■  
0000485714 00000 n■  
0000485794 00000 n■



0000485874 00000 n■  
0000485954 00000 n■  
0000486078 00000 n■  
0000486158 00000 n■  
0000486238 00000 n■  
0000486326 00000 n■  
0000486406 00000 n■  
0000486479 00000 n■  
0000487101 00000 n■  
0000487181 00000 n■  
0000487222 00000 n■  
0000487264 00000 n■  
0000487312 00000 n■  
0000487686 00000 n■  
0000491339 00000 n■  
0000491374 00000 n■  
0000491435 00000 n■  
0000491470 00000 n■  
0000491531 00000 n■  
0000491566 00000 n■  
0000491627 00000 n■  
0000491662 00000 n■  
0000491723 00000 n■  
0000491758 00000 n■  
0000491819 00000 n■  
0000491854 00000 n■  
0000491915 00000 n■  
0000491950 00000 n■  
0000492011 00000 n■  
0000492046 00000 n■  
0000492107 00000 n■  
0000492142 00000 n■  
0000492203 00000 n■  
0000492238 00000 n■  
0000492299 00000 n■  
0000492334 00000 n■  
0000492395 00000 n■  
0000492430 00000 n■  
0000492491 00000 n■  
0000492526 00000 n■  
0000492587 00000 n■  
0000492622 00000 n■  
0000492683 00000 n■  
0000492718 00000 n■  
0000492779 00000 n■  
0000509487 00000 n■  
0000512214 00000 n■  
0000526979 00000 n■  
0000539916 00000 n■  
0000560654 00000 n■  
0000573055 00000 n■  
0000591351 00000 n■  
0000619653 00000 n■  
0000640105 00000 n■  
0000650176 00000 n■  
0000670879 00000 n■  
0000690967 00000 n■  
0000705951 00000 n■  
0000718953 00000 n■

0000728925 00000 n■  
0000742457 00000 n■  
0000763944 00000 n■  
0000786278 00000 n■  
0000804933 00000 n■  
0000805089 00000 n■  
0000805242 00000 n■  
0000805391 00000 n■  
0000805543 00000 n■  
0000805869 00000 n■  
0000806246 00000 n■  
0000806569 00000 n■  
0000806955 00000 n■  
0000807253 00000 n■  
0000807590 00000 n■  
0000807759 00000 n■  
0000808064 00000 n■  
0000808273 00000 n■  
0000808349 00000 n■  
0000808554 00000 n■  
0000808630 00000 n■  
0000808831 00000 n■  
0000808907 00000 n■  
0000809112 00000 n■  
0000809188 00000 n■  
0000811242 00000 n■  
0000814636 00000 n■  
0000822153 00000 n■

trailer

<<

/Root 1 0 R

/Info 6 0 R

/ID [<51E463EAE23573C28DBB5DC11640D356> <51E463EAE23573C28DBB5DC11640D356>]

/Size 193

>>

startxref

823014

%%EOF

---

Page: <https://www.njit.edu/pivot-rp-research-funding>

---

Page: <https://www.njit.edu/award-types>

---

Page: <https://www.njit.edu/about/senior-administration>

Senior Administration | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

Undergraduate Admissions  
Freshmen  
Transfers  
Admission Requirements  
High School Counselors  
How to Apply  
Admitted Students  
Graduate Admissions  
How to Apply  
Graduate FAQs  
Admitted Graduate Students  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies

For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services

Counseling and Psychological Services

Public Safety

Recreation & Fitness

Gyms & Facilities

Intramural Sports

Transportation & Parking

On & Around Campus

Athletics

NJIT Highlanders

Apply now

Undergraduate Students

Transfer Students

Graduate Students

Continuing Education

Alumni

Giving

MyNJIT Login

Tools

Calendars

Campus Directory

A-Z Site Index

Webmail

Canvas

WebEx

Jobs @ NJIT

Menu

Search

Alumni

Giving

MyNJIT Login

Tools

Calendars

Campus Directory

A-Z Site Index

Webmail

Canvas

WebEx

Jobs @ NJIT

Search

Admissions

Academics

Research

About

Life at NJIT

Athletics

I am a...

Apply now

Home

About NJIT

Administration

Senior Administration

Senior Administration

The senior administration at NJIT comprises the highest level administrators at the University.

Administration

In This Section

Key Facts

Administration

Senior Administration

Administrative Departments

History of NJIT  
Visiting NJIT  
News  
Contact Us  
Teik C. Lim, Ph.D.  
President  
973-596-3101  
John Pelesko, Ph.D.  
Provost and Senior VP for Academic Affairs  
973-596-3220  
Catherine Z. Brennan  
Senior Vice President for Finance and Chief Financial Officer  
973-596-3124  
Andrew P. Christ, P.E.  
Senior Vice President for Real Estate Development and Capital Operations  
973-596-5770  
Elizabeth S. Kornstein  
Interim Vice President for Development & Alumni Relations  
973-596-8548  
Marybeth Boger, Ph.D.  
Vice President for Student Affairs and Dean of Students  
973-596-3470  
Matthew Golden, Ed.D.  
Vice President for Communications and Marketing  
973-596-5286  
Michael Johnson, Ph.D.  
NJIT President  
Sandy A. Curko, Esq.  
General Counsel and Vice President for Legal Affairs  
973-596-6379  
William Brady  
Vice President for Human Resources  
973-596-3138  
Ed Wozencroft  
Vice President for Digital Strategy and Chief Information Officer  
973-596-5743  
Matthew Bonasia  
Chief of State Government Affairs  
973-596-3328  
Angela Garretson, Ph.D.  
Chief of Public & Community Affairs  
973-596-3108  
Katie Hageman  
Chief of Staff  
973-596-3104  
David E. Jones, Ed.D.  
Chief Diversity Officer  
973-596-3050  
Lenny Kaplan  
Associate Vice President/Director of Athletics  
973-596-3638  
Fill out an online  
application today!  
Apply Online  
Download a brochure and learn about NJIT  
Download  
Schedule a visit to campus  
Schedule a Visit

---

Page: [https://www.njit.edu/admissions/tuition-costs/#collapse13\\_9c168948f0e89df882e82857ee017180](https://www.njit.edu/admissions/tuition-costs/#collapse13_9c168948f0e89df882e82857ee017180)

[Tuition & Costs | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

[Proposal Preparation Forms and Guide](#)

[Pre-Award Services](#)

[Post-Award and Closing Requirements](#)

Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center



Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home  
Admissions  
Tuition & Aid  
Tuition & Costs

## Tuition & Costs

For each academic year, the standard cost of attendance as defined by the Student Financial Aid Services (SFAS) Office depends on the student's status.

### Tuition & Aid

#### In This Section

[Undergraduate Admissions](#)

[Graduate Admissions](#)

[International Students](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Blog](#)

[Undergraduate Cost of Attendance\\* for 2024 - 2025 \(two semesters at full-time\\*\\*\)](#)

[New Jersey Residents](#)

[Non-New Jersey Residents](#)

[Tuition](#)

\$16,334

\$34,024

[Fees](#)

\$3,640

\$3,640

[Total Tuition and Fees](#)

\$19,974

\$37,664

\*\* Full-time = 12-19 credits

For New Jersey resident and Non-New Jersey resident students

living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$5,200.

For New Jersey resident and Non-New Jersey resident students

living with parents

, the value for

Housing & Food is \$9,800

and

Additional Indirect Cost is \$6,900

.

For New Jersey resident and Non-New Jersey resident students

living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$6,900

.

The value for

Books & Supplies is \$3,400

(first-year and transfer non-architecture students) and

\$4,800

(first-year and transfer architecture students).

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; Transportation; Personal Expenses; Health Insurance; and Miscellaneous.

[Graduate Cost of Attendance\\* for 2024 - 2025 \(two semesters at full-time\\*\\*\)](#)

[New Jersey Residents](#)

[Non-New Jersey Residents](#)

[Tuition](#)

\$23,076

\$33,138

Fees

\$4,734

\$4,734

Total Per Year

\$27,810

\$37,872

\*\* Full-time = 9 credits

For New Jersey resident and Non-New Jersey resident students

living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$6,400.

For New Jersey resident and Non-New Jersey resident students

living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$9,400

.

The value for

Books & Supplies is \$1,600 for non-architecture students

and

\$2,000 for architecture students.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Online

Graduate e-Tuition (100% online)

Cost per credit -

\$1,143

Undergraduate e-Tuition (100% online)

Cost per credit -

\$537

International Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

Undergraduate

Graduate

Tuition and Fees

\$37,664

\$38,436

Living Expenses

\$16,450

\$16,450

Other Expenses (health insurance, etc.)

\$10,787

\$10,187

Total Estimated Cost

†

\$64,901

\$65,073

\*\* Full-time for undergraduate students = 12-19 credits

\*\* Full-time for graduate students = 9 credits

† All expenses are estimated. Expenses are indirect costs and may vary.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

[Schedule a Visit](#)

---

Page: <https://www.njit.edu/research/vpr/2020-vision.php>

[NJIT Strategic Research Plan | Research](#)

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[How We Evaluate Applicants](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Admitted Graduate Students](#)

[Graduate FAQs](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Majors and Minors](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Graduate Degree Programs](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional & Corporate Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[About Us](#)

[Centers and Laboratories](#)

[For Researchers](#)

[Funding Opportunities](#)

[Active Programs and Grants](#)

[Proposal Preparation Forms and Guide](#)

[Policies](#)

[Pre-Award Services](#)

[Grant Management Guide](#)

[Grant and Contract Accounting](#)

[Post-Award and Closing Requirements](#)

Grant Management Software System  
Research Compliance  
Responsible Conduct of Research  
Institutional Review Board  
Institutional Biosafety Committee  
Laboratory Safety, Training and Compliance  
Animal Care and Use (IACUC)  
Export Control  
CITI Software  
OMB Uniform Guidance  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPP FAQs  
Intellectual Property (IP) Committee Members  
Commercial Enterprise Development  
Contact DIPP  
Educational Grant Support Resource  
Educational Programs Support and Centers  
Academic Achievement Program Agreements  
Funding Resources and Opportunities  
Proposal and IRB Templates  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Courtesy Appointments  
Distinguished Research Panels/Seminars  
Research News  
Research FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Maps and Directions  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining

Off-Campus Housing  
Off-Campus Dining  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders

Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education

Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Moodle  
Jobs @ NJIT

Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Moodle  
Jobs @ NJIT

Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics

I am a...

Apply now

NJIT Implementation of Recent Executive Orders

Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research

Home

Office of the Senior Vice Provost for Research

NJIT Strategic Research Plan

NJIT Strategic Research Plan

Research is an integral part of a strong academic experience. The 2025 Strategic Plan, we has 5 research clusters representing

Office of the Senior Vice Provost for Research

In This Section

Home

Office of the Senior Vice Provost for Research  
About - Senior Vice Provost for Research  
Active Programs and Grants  
Faculty Research Committees  
NJIT Strategic Research Plan  
For Researchers  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Intellectual Property and Commercialization  
NJIT Research Centers and Laboratories  
Faculty Awards Initiative  
National Academy of Inventors - NJIT  
Research FAQs  
Research News  
Contact Us

Research is an integral part of a strong academic experience and a critical priority in NJIT's 2025 Strategic Plan. The university The 150 new faculty members we have hired over the past five years strengthen our efforts considerably. They include experts To achieve our research and educational goals, the university's strategic plan calls for seamless multidisciplinary and transdisci The NJIT's 2025 Research Strategic Plan organizes five research clusters of high significance and societal impact aligned with BIOSCIENCE AND BIOENGINEERING:

This research cluster includes multidisciplinary research in the areas of biomedical devices, sensors and instrumentation, brain The scope of the proposed cluster includes areas that are aligned with the NSF's 10 Big Ideas, and the National Academy of En DATA SCIENCE AND MANAGEMENT:

This research cluster includes the study and practice of data science and analytics, and extracting information and knowledge fr The cybersecurity group designs secure cyber systems and improves cyber information and communications technology (ICT). The Data Science and Management cluster spans over all other research clusters including Bioscience and Bioengineering, En NAE and NAS Grand Challenges and NSF Big Ideas within the scope of this cluster include "Secure Cyberspace", "Advance Pe ENVIRONMENT AND SUSTAINABILITY:

This cluster represents interdisciplinary research areas in urban ecology, space weather, solar terrestrial, environmental sensor NAE and NAS Grand Challenges and NSF Big Ideas within the scope of this cluster include "Solar Energy", "Restore and Impro MATERIAL SCIENCE AND ENGINEERING:

This cluster represents transdisciplinary research areas in advanced materials including smart energetic and campsite materials The Material Science and Engineering cluster spans over almost all research clusters including Bioscience and Bioengineering, NAE and NAS Grand Challenges and NSF Big Ideas within the scope of this cluster include "Restore and Improve Urban Infras ROBOTICS AND MACHINE INTELLIGENCE:

This research cluster includes human machine interface, cyber-human systems, robotics: bioinspired, medical, social and indus The Robotics and Machine Intelligence cluster also interacts with other research clusters including Bioscience and Bioengineeri NAE and NAS Grand Challenges and NSF Big Ideas within the scope of this cluster include "Advance Personalized Learning", ' NJIT Research Clusters.png

---

Page: <https://www.njit.edu/grant-monitoring-reports>

---

Page: <https://www.njit.edu/research/compliance/citi-software.php>

Research compliance | Research  
Skip to main content  
Admissions  
Undergraduate Admissions  
How We Evaluate Applicants  
How to Apply  
Admitted Students  
Graduate Admissions

How to Apply  
Admitted Graduate Students  
Graduate FAQs  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Majors and Minors  
Academic Support & Advising  
Graduate Studies  
Graduate Degree Programs  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional & Corporate Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
NJIT Strategic Research Plan  
Research Data and Publications  
About Us  
Centers and Laboratories  
For Researchers  
Funding Opportunities  
Active Programs and Grants  
Proposal Preparation Forms and Guide  
Policies  
Pre-Award Services  
Grant Management Guide  
Grant and Contract Accounting  
Post-Award and Closing Requirements  
Grant Management Software System  
Research Compliance  
Responsible Conduct of Research  
Institutional Review Board  
Institutional Biosafety Committee  
Laboratory Safety, Training and Compliance  
Animal Care and Use (IACUC)  
Export Control  
CITI Software  
OMB Uniform Guidance  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry



IPP FAQs  
Intellectual Property (IP) Committee Members  
Commercial Enterprise Development  
Contact DIPP  
Educational Grant Support Resource  
Educational Programs Support and Centers  
Academic Achievement Program Agreements  
Funding Resources and Opportunities  
Proposal and IRB Templates  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Courtesy Appointments  
Distinguished Research Panels/Seminars  
Research News  
Research FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Maps and Directions  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now

[Undergraduate Students](#)

[Transfer Students](#)

[Graduate Students](#)

[Continuing Education](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Moodle](#)

[Jobs @ NJIT](#)

[Menu](#)

[Search](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Moodle](#)

[Jobs @ NJIT](#)

[Search](#)

[Admissions](#)

[Academics](#)

[Research](#)

[About](#)

[Life at NJIT](#)

[Athletics](#)

[I am a...](#)

[Apply now](#)

[NJIT Implementation of Recent Executive Orders](#)

[Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research](#)

[Home](#)

[For Researchers](#)

[Research Compliance](#)

[Research compliance](#)

[Research compliance](#)

[Required Training](#)

[Research Compliance](#)

[In This Section](#)

[Home](#)

[Office of the Senior Vice Provost for Research](#)

[For Researchers](#)

[Roles and Responsibilities in Grant Management](#)

[Funding Opportunities](#)

[Streamlyne](#)

[Pre-Award Services](#)

[Post-Award Management](#)

[Research Compliance](#)

[Responsible Conduct of Research](#)

[Institutional Review Board](#)

[Institutional Biosafety Committee](#)

[Laboratory Safety, Training and Compliance](#)

[Care and Use of Animals in Research](#)

Export Controls  
Required Compliance Training (CITI)  
Conflict of Interest (COI)  
Research Policies  
Courtesy Appointments  
Pivot-RP Research Funding  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Intellectual Property and Commercialization  
NJIT Research Centers and Laboratories  
Faculty Awards Initiative  
National Academy of Inventors - NJIT  
Research FAQs  
Research News  
Contact Us

NJIT is committed to fostering and upholding the highest ethical standards in the conduct of research and scholarship and compliance with applicable laws and regulations. The Collaborative Institutional Training Initiative (CITI) Online Software System  
NJIT research compliance training is supported by CITI

online training software. NJIT faculty, staff and students can access required compliance training modules via the NJIT CITI program. Accessing CITI

To access online materials and courses for training or certification, please register online at the CITI website ([www.citiprogram.org](http://www.citiprogram.org)).

Under "Institution," select "New Jersey Institute of Technology".

Register your account using your NJIT UCID and email address.

Once you register your account, you can access several research compliance modules, view the material and take appropriate action.

CITI Curriculum Modules and Courses

The NJIT CITI curriculum supports various needs and learning styles. Registrants may enroll in multiple courses which can be tailored to their specific needs.

The Human Subjects Courses

(see

Institutional Review Board

)

Human research training must be completed by all Principal Investigators (PIs), Co-Investigators, and those meeting the NIH definition of

Key Personnel

"who will be working directly with human subjects or with data or biospecimens regardless of whether or not they have access to the data or biospecimens."

The Lab Animal Welfare Courses

All animal users must complete the General Lab Safety Training and Biosafety/BBP training provided by EHS and the CITI curriculum.

Good Clinical Practice (GCP) Training

Individuals engaged in the conduct of a clinical trial (per the NIH definition) must complete a GCP training.

Conflicts of Interest

All personnel involved in the design, conduct, or reporting of Public Health Service (PHS) funded research must take the Conflict of Interest training.

Export Controls

All personnel interacting with export controlled technical data/technology on campus and sponsoring H1-B and J-1 visa must complete the Export Controls training.

IMPORTANT:

All training certifications must be renewed periodically. Updated and current certifications are required to participate in any research project.

---

Page: <https://www.njit.edu/contact>

---

Page: <https://www.njit.edu/research/personnel-requisition-faqs/>

---

Page: <https://www.njit.edu/publicsafety/>

[Public Safety | Department of Public Safety](#)

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

[Proposal Preparation Forms and Guide](#)

[Pre-Award Services](#)

[Post-Award and Closing Requirements](#)

Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center

Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Public Safety  
Public Safety  
Public Safety Home  
In This Section

Public Safety Home  
About the Department  
Community Engagement  
Homeless Oriented Police Engagement (H.O.P.E.)  
Crime Prevention  
ALICE  
NJIT First Aid Squad  
Shuttle Service  
Important Links  
Campus Emergency Phone, Information, and Assistance Locations  
Safe and Sound Newsletter  
NJIT Annual Security and Fire Report 2024  
30 X 30 Pledge  
Recruitment  
Photo Gallery  
NJIT Police Department Body Worn Cameras  
Early Warning System SOP  
Law Enforcement Drug Testing SOP  
Bias Incident Investigations SOP  
Internal Affairs Form Submission Information  
Appendix A - IA Complaint Information Form (ENGLISH)  
Appendix A - IA Complaint Information Form (ALL OTHER LANGUAGES)  
Appendix B - IA Report Form (ENGLISH)  
Appendix B - IA Report Form (ALL OTHER LANGUAGES)  
Internal Affairs Annual Summary Report (2023)  
Real Estate Development & Capital Operations  
NJSACOP Accreditation  
Annual Public Synopsis of Disciplinary Action  
Laws Concerning Carrying Concealed Firearms on Campus in New Jersey

The Department of Public Safety, conveniently located at 154 Summit St. on the first level of the Parking Deck, provides police protection for the campus. All NJIT Police Officers have graduated from an accredited police academy and are certified by the New Jersey Police Training Commission. The University police maintain a close working relationship with the Newark Police Department, Rutgers, Essex County College, and Montclair State University. For Upcoming Public Safety Events please visit:

Community Engagement  
CAMPUS POLICE  
CONTACT INFORMATION

Emergencies:  
Dial 9-1-1, Say Location "NJIT"  
To Report Crime Information:  
973-596-3111  
General Information:  
973-596-3120 or  
973-596-3116  
Anonymous Tip Line:  
973-596-8177  
Not monitored 24/7  
Not for emergencies

---

Page: <http://www.njit.edu/njitresearch>

Research | Research  
Skip to main content  
Admissions  
Undergraduate Admissions  
How We Evaluate Applicants  
How to Apply  
Admitted Students

Graduate Admissions  
How to Apply  
Admitted Graduate Students  
Graduate FAQs  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Majors and Minors  
Academic Support & Advising  
Graduate Studies  
Graduate Degree Programs  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional & Corporate Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
NJIT Strategic Research Plan  
Research Data and Publications  
About Us  
Centers and Laboratories  
For Researchers  
Funding Opportunities  
Active Programs and Grants  
Proposal Preparation Forms and Guide  
Policies  
Pre-Award Services  
Grant Management Guide  
Grant and Contract Accounting  
Post-Award and Closing Requirements  
Grant Management Software System  
Research Compliance  
Responsible Conduct of Research  
Institutional Review Board  
Institutional Biosafety Committee  
Laboratory Safety, Training and Compliance  
Animal Care and Use (IACUC)  
Export Control  
CITI Software  
OMB Uniform Guidance  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors



For Industry  
IPP FAQs  
Intellectual Property (IP) Committee Members  
Commercial Enterprise Development  
Contact DIPP  
Educational Grant Support Resource  
Educational Programs Support and Centers  
Academic Achievement Program Agreements  
Funding Resources and Opportunities  
Proposal and IRB Templates  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Courtesy Appointments  
Distinguished Research Panels/Seminars  
Research News  
Research FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Maps and Directions  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders

[Apply now](#)  
[Undergraduate Students](#)  
[Transfer Students](#)  
[Graduate Students](#)  
[Continuing Education](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)

[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Moodle](#)  
[Jobs @ NJIT](#)

[Menu](#)  
[Search](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)  
[Tools](#)

[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Moodle](#)  
[Jobs @ NJIT](#)

[Search](#)  
[Admissions](#)  
[Academics](#)  
[Research](#)  
[About](#)  
[Life at NJIT](#)  
[Athletics](#)  
[I am a...](#)

[Apply now](#)

[NJIT Implementation of Recent Executive Orders](#)

[Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research](#)

[The Office of Research provides institutional support and services, as well as fosters new opportunities to enhance NJIT research](#)

[Foundation Board of Directors Excellence in Research Prize and Medal](#)

[The Excellence in Research Prize and Medal is awarded in recognition of a sustained record of contributions that have enhanced](#)

[The NJIT Foundation Board of Directors is proud to award](#)

[Bharat Biswal](#)

[, distinguished professor of biomedical engineering.](#)

[Previous Prize and Medal Recipients](#)

[Highest](#)

[NJIT Earns Highest Research Rating \(R1\)](#)

[Source: Carnegie Classification](#)

[\\$167M](#)

[total research expenditures in FY2023](#)

[Through our many funding opportunities, we're enhancing NJIT's research enterprise.](#)

[View Opportunities](#)

[NJIT Research: Linking Laboratories to Lives](#)

[Resources](#)

[Funding Opportunities](#)

[For Researchers](#)

[Intellectual Property & Commercialization](#)

[York Center for Environmental Engineering and Science](#)

[Center for Translational Research](#)

[Quick Links](#)

[Office of the Senior Vice Provost for Research](#)

[Research Compliance](#)

[Research Policies](#)

[Undergraduate Research and Innovation](#)

[Faculty Awards Initiative](#)

[Research Funding Opportunity: Pivot-RP](#)

[Contacts](#)

[NJIT Research Magazine](#)

An overview of our growing materials science and engineering cluster, where engineers, physicists, mathematicians and chemists

[Read the magazine](#)

|

[View our research publications](#)

|

[Research News](#)

Research is an integral part of a strong academic experience and a critical priority in NJIT's 2025 Strategic Plan. The university

Our research enterprise is comprised of core and transdisciplinary basic, applied and translational research interests through five

[Bioscience and Bioengineering](#)

[Bioscience and Bioengineering](#)

[Learn More](#)

[Data Science and Management](#)

[Data Science and Management](#)

[Learn More](#)

[Environment and Sustainability](#)

[Environment and Sustainability](#)

[Learn More](#)

[Material Science and Engineering](#)

[Material Science and Engineering](#)

[Learn More](#)

[Robotics and Machine Intelligence](#)

[Robotics and Machine Intelligence](#)

[Learn More](#)

[National Academy of Inventors Chapter at NJIT](#)

[National Academy of Inventors Chapter at NJIT](#)

celebrates the outstanding innovation and invention contributions of faculty, staff, and students. To quote NAI President Dr. Paul

[Research with NJIT](#)

[Research with NJIT](#)

is a collaborative effort by the New Jersey Economic Development Authority (NJEDA) and the Office of the Secretary of Higher

[What Our Students Say](#)

We provide exceptional academic, research and innovation experience to students at all levels.

[Learn More](#)

"I'm working on microfluidic biosensors for cancer detection. We hope this technology will replace invasive biopsies. "

Mehnaz Mursalat

Class of 2020

"I am gaining an excellent research experience at NJIT that is preparing me for my goal, which is to be a general surgeon."

Tinghan Zhao

"Department of Physics provided me with skills and resources to perform and present research in four different countries."

Dylan Renaud

Class of 2018

---

Page: <https://www.njit.edu/about/local-accommodations>

[Local Accommodations | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

Freshmen  
Transfers  
Admission Requirements  
High School Counselors  
How to Apply  
Admitted Students  
Graduate Admissions  
How to Apply  
Graduate FAQs  
Admitted Graduate Students  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors

For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services

Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home  
About NJIT  
Visiting NJIT  
Local Accommodations  
Local Accommodations  
Newark has been welcoming visitors since the opening of its first hotel back in 1670. Today, you'll find hotels ranging from trust  
Visiting NJIT  
In This Section  
Key Facts  
Administration  
History of NJIT  
Visiting NJIT  
Campus & Parking Maps

Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark & New York City  
News  
Contact Us  
Hotel Indigo Newark Downtown  
810 Broad Street  
Newark, NJ 0710  
0.8 miles from NJIT  
Courtyard Newark Downtown  
858 Broad Street  
Newark, NJ 07102  
0.9 miles from NJIT  
Best Western Robert Treat Hotel  
50 Park Place, Newark  
Newark, NJ 07102  
1.0 mile from NJIT  
Hampton Inn & Suites Newark-Harrison-Riverwalk  
100 Passaic Ave  
Harrison, NJ 07029  
0.8 miles from NJIT  
\*

Special NJIT rates  
Hilton Newark Penn Station  
1 Gateway Center Raymond Blvd  
Newark, NJ 07102  
1.2 miles from NJIT  
Hilton Newark Airport  
1170 Spring Street  
Newark, NJ 07104  
1.2 miles from NJIT  
DoubleTree by Hilton Hotel Newark Airport  
128 Frontage Road  
Newark, NJ 07201  
5.1 miles from NJIT ■■■  
NJIT's Distance to/from Local Airports  
Newark Liberty International Airport - 5 miles  
LaGuardia Airport - 30 miles  
John F. Kennedy International Airport - 37 miles  
Fill out an online  
application today!  
Apply Online  
Download a brochure and learn about NJIT  
Download  
Schedule a visit to campus  
Schedule a Visit

---

Page: <https://www.njit.edu/academics/academic-research>

Academic Research | New Jersey Institute of Technology  
[Skip to main content](#)  
[Close Nav](#)  
[Admissions](#)  
[Undergraduate Admissions](#)  
[Freshmen](#)

Transfers  
Admission Requirements  
High School Counselors  
How to Apply  
Admitted Students  
Graduate Admissions  
How to Apply  
Graduate FAQs  
Admitted Graduate Students  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry



[IPTLO FAQs](#)  
[Commercial Enterprise Development](#)  
[Contact IPTLO](#)  
[Undergraduate Research and Innovation Program](#)  
[NJIT Research Centers and Laboratories](#)  
[Research News](#)  
[Research FAQs](#)  
[Proposal Preparation and Submission FAQs](#)  
[Grant and Contract Award Set Up FAQs](#)  
[Subcontractor/Consulting Agreement FAQs](#)  
[Grant and Contract Accounting FAQs](#)  
[Purchase Requisition FAQs](#)  
[Personnel Requisition FAQs](#)  
[Research Compliance FAQ](#)  
[Responsible Conduct FAQs](#)  
[Institutional Review Board FAQs](#)  
[Institutional Biosafety Committee \(IBC\) FAQs](#)  
[Institutional Animal Care and Use FAQs](#)  
[Export Control FAQs](#)  
[Conflict of Interest/Financial Conflict of Interest FAQs](#)  
[Streamlyne FAQs](#)  
[Contact Us](#)  
[Research Staff Assignments](#)  
[Feedback/Comments](#)  
[Research/Technology Inquiries](#)  
[About NJIT](#)  
[Key Facts](#)  
[Rankings and Recognition](#)  
[Administration](#)  
[Senior Administration](#)  
[Administrative Departments](#)  
[History of NJIT](#)  
[Our Mission and Values](#)  
[Alma Maters](#)  
[Visiting NJIT](#)  
[Campus & Parking Maps](#)  
[Maps & Directions](#)  
[Virtual Tour](#)  
[Public Transportation to Campus](#)  
[Local Accommodations](#)  
[About Newark and New York City](#)  
[News](#)  
[Contact Us](#)  
[Life at NJIT](#)  
[Activities & Organizations](#)  
[Hispanic and Latinx Leadership Council](#)  
[Inclusive Excellence](#)  
[Career Center](#)  
[Campus Center](#)  
[Housing & Dining](#)  
[On-Campus Housing](#)  
[On-Campus Dining](#)  
[Off-Campus Housing](#)  
[Off-Campus Dining](#)  
[Office of Student Life](#)  
[Health & Safety](#)  
[Student Health Services](#)  
[Counseling and Psychological Services](#)  
[Public Safety](#)

Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home  
Academics  
Beyond the Classroom  
Academic Research  
Academic Research  
The research opportunities at NJIT, for both undergraduate and graduate students, enhance their academic experience through  
Beyond the Classroom  
In This Section  
Undergraduate Studies  
Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research

Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Funded by external and internal sources, the research programs at NJIT are designed to help students develop the vision to co  
NJIT encourages interdisciplinary collaborative research and innovative programs with partnerships internally, as well as external  
Fill out an online  
application today!  
Apply Online  
Download a brochure and learn about NJIT  
Download  
Schedule a visit to campus  
Schedule a Visit

---

Page: <https://www.njit.edu/precollege/educatorprograms>

Programs for Educators | Center for Pre-College Programs  
Skip to main content  
Menu  
Center for Pre-College Programs  
Search  
In This Section  
Home  
About Us  
Our Staff  
Pre-College Advisory Board  
Sponsors and Partners  
Publications  
Contact Us  
Student Programs  
NJ GEAR UP/College-Bound Programs  
NJ GEAR UP/College-Bound Program  
Upward Bound  
TRiO Programs  
Educational Talent Search  
Upward Bound  
Summer Early College Preparatory Programs (ECP) & STEMx  
Saturday Morning STEM (SMS)  
Academy College Credit Courses for High School Students  
Dual Enrollment Partnership / Options Program  
FSI -Forensic Science Initiative  
Educator Programs  
STEM Forum for School Leaders  
Outcomes Assessment and Evaluation  
Research Experiences for Teachers Archive  
NJ Forensic Science Education Conference  
Teacher Prep Program in Forensic Science  
Virtual Learning  
Family Programs  
STEM Family Workshops  
Family Open Houses  
Virtual Learning  
Competitions  
Elementary STEM Challenge

New Jersey Science Olympiad

News & Events

Events

News

Home

Programs for Educators

Programs for Educators

The Center for Pre-College Programs (CPCP) believes that teachers and administrators are vital to students' educational success.

Educator Programs

In This Section

Home

About Us

Student Programs

Educator Programs

STEM Forum for School Leaders

Outcomes Assessment and Evaluation

Research Experiences for Teachers Archive

NJ Forensic Science Education Conference

Teacher Prep Program in Forensic Science

Virtual Learning

Family Programs

Competitions

News & Events

We offer courses and other resources to help STEM educators excel.

STEM Forum for School Leaders

Our annual STEM Forum for School Leaders is open by invitation to superintendents, other school leaders, and Board of Education members.

Leading the Digital Transformation in Our Schools

, will be held on Thursday, November 14, 2024. It features panelists with technology expertise in K-12 education.

Register here!

2024 STEM Forum Flyer

2021 STEM Leadership Forum YouTube Video

2020 STEM Leadership Forum YouTube Video

Forensic Science: An Essential STEM Component Presentation by Professor David Fisher

Highlights of the 2018 STEM Leadership Forum

Highlights of previous workshops:

TryEngineering! & Makerspace Workshop

- Wednesday, October 17, 2018 and Wednesday, November 14, 2018

How to Study Physics Presentation by Professor Thomas

- Thursday, February 7, 2019

2024 Showcase for School Leaders (Teachers, Principals and Curriculum Leaders)

Teachers, Principals and Curriculum Leaders are invited to join us for our annual showcase event to experience hands-on activities.

FREE

event with

free parking

. For event registration, visit:

<http://tinyurl.com/z9px7yda>

for additional information, please click (

HERE

)

To view Agenda, please click (

HERE

)

Throughout the academic year, CPCP offers teachers and curriculum leaders workshops and seminars on current STEM topics.

[cpcp@njit.edu](mailto:cpcp@njit.edu)

or 973-596-3550.

Teacher and curriculum-leader programs at the CPCP include:

Outcomes Assessment and Evaluation

Research Experiences for Teachers (RET) Archive

Workshop presented at the NJ Science Teachers Convention, October 2024

---

Page: <https://www.njit.edu/campus-parking-maps>

[Campus & Parking Maps | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council

[Inclusive Excellence](#)  
[Career Center](#)  
[Campus Center](#)  
[Housing & Dining](#)  
[On-Campus Housing](#)  
[On-Campus Dining](#)  
[Off-Campus Housing](#)  
[Off-Campus Dining](#)  
[Office of Student Life](#)  
[Health & Safety](#)  
[Student Health Services](#)  
[Counseling and Psychological Services](#)  
[Public Safety](#)  
[Recreation & Fitness](#)  
[Gyms & Facilities](#)  
[Intramural Sports](#)  
[Transportation & Parking](#)  
[On & Around Campus](#)  
[Athletics](#)  
[NJIT Highlanders](#)  
[Apply now](#)  
[Undergraduate Students](#)  
[Transfer Students](#)  
[Graduate Students](#)  
[Continuing Education](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)  
[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Canvas](#)  
[WebEx](#)  
[Jobs @ NJIT](#)  
[Menu](#)  
[Search](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)  
[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Canvas](#)  
[WebEx](#)  
[Jobs @ NJIT](#)  
[Search](#)  
[Admissions](#)  
[Academics](#)  
[Research](#)  
[About](#)  
[Life at NJIT](#)  
[Athletics](#)  
[I am a...](#)  
[Apply now](#)  
[Home](#)

About NJIT  
Visiting NJIT  
Campus & Parking Maps  
Campus & Parking Maps  
Get to know our campus.  
Visiting NJIT  
In This Section  
Key Facts  
Administration  
History of NJIT  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark & New York City  
News  
Contact Us  
Parking Map  
All

university parking lots

are designated for specific types of usage during normal hours (i.e. Student, Faculty and Staff, Visitor, Reserved Parking). Vehi

Visit the

parking website

for more information.

Campus Map

Download map

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <https://www.njit.edu/precollege/estem-challenge>

eSTEM Challenge | Center for Pre-College Programs

[Skip to main content](#)

[Menu](#)

[Center for Pre-College Programs](#)

[Search](#)

[In This Section](#)

[Home](#)

[About Us](#)

[Our Staff](#)

[Pre-College Advisory Board](#)

[Sponsors and Partners](#)

[Publications](#)

[Contact Us](#)

[Student Programs](#)

[NJ GEAR UP/College-Bound Programs](#)

[NJ GEAR UP/College-Bound Program](#)

[Upward Bound](#)

[TRiO Programs](#)

[Educational Talent Search](#)



Upward Bound  
Summer Early College Preparatory Programs (ECPP) & STEMx  
Saturday Morning STEM (SMS)  
Academy College Credit Courses for High School Students  
Dual Enrollment Partnership / Options Program  
FSI -Forensic Science Initiative  
Educator Programs  
STEM Forum for School Leaders  
Outcomes Assessment and Evaluation  
Research Experiences for Teachers Archive  
NJ Forensic Science Education Conference  
Teacher Prep Program in Forensic Science  
Virtual Learning  
Family Programs  
STEM Family Workshops  
Family Open Houses  
Virtual Learning  
Competitions  
Elementary STEM Challenge  
New Jersey Science Olympiad  
News & Events  
Events  
News  
Home

eSTEM Challenge  
eSTEM Challenge

The Center for Pre-College Programs at NJIT is proud to announce our fifth annual Elementary STEM challenge for elementary

In This Section

Home  
About Us  
Student Programs  
Educator Programs  
Family Programs  
Competitions  
News & Events

This year's STEM challenge will feature an exciting "Community Problem-Solving" question, where students will harness the po

Challenge Date:

Thursday

,  
March 20th, 2025 from 8:30am-3:00pm (Snow Date: March 22nd, 2024)

Eligibility:

3rd - 5th grade students

# of Team Members:

4 - 6

student members per team (Limited to 1 team per school)

\*We are no longer limiting the number of schools in a school district from participating!

Registration Deadline:

Friday December 6th, 2024

Registration Fee:

Payment method must be by check or school purchase order

Early Bird Registration: \$299 per team

(must register by November 4th)

General Registration: \$349 per team

Costs includes:

Supply kits

Engineering Logbooks (one per student)

A teacher-coaches live, online professional development workshop

An opportunity for teacher-coaches to participate in a hands-on session with the provided technology that will be used for the ch

An NJIT student mentor who will meet with the team on a weekly basis for seven weeks prior to the on-campus competition

## Challenge Components

:

Engineering Design Device Demonstration (40% of the overall score):

. The first component of the challenge will require students to demonstrate the devices they worked on for the six weeks leading

Game Show Challenge (15% of the overall score):

The second part of the challenge will be a game show style question and answer challenge where the teams will use a Comput

Oral Presentation (30% of the overall score):

The third part of the challenge will feature team members' presentations of project overviews that include their design processes

Engineer's Logbook (

1

5% of the overall score):

The Fourth part of the challenge will require the team members to complete and submit an Engineer's Logbook.

NJIT Student Mentors:

Each team will be assigned an NJIT Student Mentor that will meet with the team on a weekly basis for seven weeks prior to the

Teacher (Coaches) Professional Development:

Thursday, January 23rd, 2025 from 3:30pm-4:30pm (virtual)

Awards & Prizes:

The challenge will culminate with an award ceremony that will include the announcement of first, second and third place challer

If you have any questions or need additional information, please do not hesitate to contact us at

eSTEM-group@njit.edu

.

2025 eSTEM Challenge Waitlist

We have reached capacity for the 2025 eSTEM Challenge.

Click here to add your team to the waitlist!

Callout Link

Read about eSTEM 2024 Below:

Young Minds Bring Health, Wellness Innovation to NJIT's eSTEM Challenge

Callout Link

Read about eSTEM 2023 Below:

Elementary STEM Event Teaches Children About Microcontrollers and More

Callout Link

Read about eSTEM 2022 Below:

NJIT's Second Elementary STEM Challenge Conquered by 30 Local Schools

Callout Link

---

Page: <https://www.njit.edu/faculty-research-committees>

---

Page: <https://www.njit.edu/admissions/phd-programs>

Ph.D. Programs | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

Admitted Graduate Students  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs

[Grant and Contract Award Set Up FAQs](#)  
[Subcontractor/Consulting Agreement FAQs](#)  
[Grant and Contract Accounting FAQs](#)  
[Purchase Requisition FAQs](#)  
[Personnel Requisition FAQs](#)  
[Research Compliance FAQ](#)  
[Responsible Conduct FAQs](#)  
[Institutional Review Board FAQs](#)  
[Institutional Biosafety Committee \(IBC\) FAQs](#)  
[Institutional Animal Care and Use FAQs](#)  
[Export Control FAQs](#)  
[Conflict of Interest/Financial Conflict of Interest FAQs](#)  
[Streamlyne FAQs](#)  
[Contact Us](#)  
[Research Staff Assignments](#)  
[Feedback/Comments](#)  
[Research/Technology Inquiries](#)  
[About NJIT](#)  
[Key Facts](#)  
[Rankings and Recognition](#)  
[Administration](#)  
[Senior Administration](#)  
[Administrative Departments](#)  
[History of NJIT](#)  
[Our Mission and Values](#)  
[Alma Maters](#)  
[Visiting NJIT](#)  
[Campus & Parking Maps](#)  
[Maps & Directions](#)  
[Virtual Tour](#)  
[Public Transportation to Campus](#)  
[Local Accommodations](#)  
[About Newark and New York City](#)  
[News](#)  
[Contact Us](#)  
[Life at NJIT](#)  
[Activities & Organizations](#)  
[Hispanic and Latinx Leadership Council](#)  
[Inclusive Excellence](#)  
[Career Center](#)  
[Campus Center](#)  
[Housing & Dining](#)  
[On-Campus Housing](#)  
[On-Campus Dining](#)  
[Off-Campus Housing](#)  
[Off-Campus Dining](#)  
[Office of Student Life](#)  
[Health & Safety](#)  
[Student Health Services](#)  
[Counseling and Psychological Services](#)  
[Public Safety](#)  
[Recreation & Fitness](#)  
[Gyms & Facilities](#)  
[Intramural Sports](#)  
[Transportation & Parking](#)  
[On & Around Campus](#)  
[Athletics](#)  
[NJIT Highlanders](#)  
[Apply now](#)

[Undergraduate Students](#)

[Transfer Students](#)

[Graduate Students](#)

[Continuing Education](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Canvas](#)

[WebEx](#)

[Jobs @ NJIT](#)

[Menu](#)

[Search](#)

[Alumni](#)

[Giving](#)

[MyNJIT Login](#)

[Tools](#)

[Calendars](#)

[Campus Directory](#)

[A-Z Site Index](#)

[Webmail](#)

[Canvas](#)

[WebEx](#)

[Jobs @ NJIT](#)

[Search](#)

[Admissions](#)

[Academics](#)

[Research](#)

[About](#)

[Life at NJIT](#)

[Athletics](#)

[I am a...](#)

[Apply now](#)

[Home](#)

[Admissions](#)

[Graduate Admissions](#)

[How to Apply](#)

[Ph.D. Programs](#)

[Ph.D. Programs](#)

To be considered for acceptance into a doctoral degree program, you are required to have an appropriate academic background

[How to Apply](#)

[In This Section](#)

[Undergraduate Admissions](#)

[Graduate Admissions](#)

[How to Apply](#)

[Master's Programs](#)

[Professional Science Master's](#)

[Ph.D. Programs](#)

[Collaborative Ph.D. Programs](#)

[Graduate Certificates](#)

[Dates & Deadlines](#)

[Graduate FAQs](#)

[International Students](#)

[Tuition & Aid](#)

[Visiting/Non-Matriculated Students](#)

Dates and Deadlines

Apply Now

Contact Admissions

Blog

GRE scores are required for admission to some doctoral programs

The Test of English as a Foreign Language (TOEFL), Duolingo, PTE or the International English Language Testing System (IELTS)

Individual academic programs may establish additional or more stringent requirements.

Application Checklist

Application for admission

\$75 nonrefundable application fee

Transcripts and proof of degree completion from all colleges and universities attended

GRE/GMAT scores

TOEFL/IELTS/Duolingo/PTE results for international applicants

Three letters of recommendation

Statement of purpose

GRE/GMAT requirements per academic college:

Newark College of Engineering

- GRE

optional but strongly recommended

for all MS and PhD applicants

Ying Wu College of Computing

- GRE

required

for all international MS applicants and all PhD applicants

Jordan Hu College of Science and Liberal Arts

- GRE

optional

for all MS and PhD applicants

Hillier College of Architecture and Design

- GRE

optional

for all Master's applicants; GRE

required

for all PhD applicants

Martin Tuchman School of Management

- GMAT/GRE may be

waived

for Master's applicants with cumulative undergraduate GPA of 3.0 (international students need a WES or another NACES-approved agency)

required

for all PhD applicants

Learn more about the application process

Apply Now

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <https://www.njit.edu/streamlyne>

---

Page: <https://www.njit.edu/admissions/dates-deadlines>

[Dates & Deadlines | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

[Proposal Preparation Forms and Guide](#)

[Pre-Award Services](#)

[Post-Award and Closing Requirements](#)

[Grant Management](#)

[Research Compliance](#)

[Grant and Contract Accounting](#)

For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining



Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home  
Admissions  
Undergraduate Admissions  
How to Apply  
Dates & Deadlines  
Dates & Deadlines  
Your application will be evaluated as soon as your file is complete.

How to Apply  
In This Section  
Undergraduate Admissions  
First-Year Students  
Transfers  
Admission Requirements  
School Counselors  
How to Apply  
Transfer Students  
Previously Enrolled/Readmit Students  
Dates & Deadlines  
Admitted Students  
Graduate Admissions  
International Students  
Tuition & Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Blog  
First-Year Student application deadlines:  
Fall Semester  
Early Action I  
: November 15  
Early Action II:  
December 15  
Honors College:  
February  
Rolling Admission:  
March 1  
Spring Semester:  
Rolling Admission  
: November 15  
Undergraduate Previously Admitted Students  
Fall Semester:  
August 1  
Spring Semester:  
November 15  
If you are  
returning from an academic suspension  
, the deadlines are earlier:  
Fall Semester:  
July 1  
Spring Semester:  
November 1  
Undergraduate Transfer Students  
Fall Semester:  
June 1  
Spring Semester:  
November 15  
Your application will be evaluated as soon as your file is complete.  
Application Fee  
The non-refundable first-year application fee is \$75. Students who pay an application fee but do not submit an application will not be considered for admission.  
Learn more about the application process  
Apply Now  
Fill out an online  
application today!  
Apply Online  
Download a brochure and learn about NJIT

[Download](#)  
[Schedule a visit to campus](#)  
[Schedule a Visit](#)

---

Page: [https://www.njit.edu/admissions/tuition-costs/#collapse1\\_9c168948f0e89df882e82857ee017180](https://www.njit.edu/admissions/tuition-costs/#collapse1_9c168948f0e89df882e82857ee017180)

[Tuition & Costs | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations

Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now

[Home](#)

[Admissions](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Tuition & Costs](#)

For each academic year, the standard cost of attendance as defined by the Student Financial Aid Services (SFAS) Office depends on the student's living situation.

[Tuition & Aid](#)

[In This Section](#)

[Undergraduate Admissions](#)

[Graduate Admissions](#)

[International Students](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Blog](#)

[Undergraduate Cost of Attendance\\* for 2024 - 2025 \(two semesters at full-time\\*\\*\)](#)

[New Jersey Residents](#)

[Non-New Jersey Residents](#)

[Tuition](#)

\$16,334

\$34,024

[Fees](#)

\$3,640

\$3,640

[Total Tuition and Fees](#)

\$19,974

\$37,664

\*\* Full-time = 12-19 credits

For New Jersey resident and Non-New Jersey resident students

living on campus

, the value for

Housing & Food is \$16,450

and

Additional Indirect Cost is \$5,200.

For New Jersey resident and Non-New Jersey resident students

living with parents

, the value for

Housing & Food is \$9,800

and

Additional Indirect Cost is \$6,900

.

For New Jersey resident and Non-New Jersey resident students

living off campus

, the value for

Housing & Food is \$17,936

and

Additional Indirect Cost is \$6,900

.

The value for

Books & Supplies is \$3,400

(first-year and transfer non-architecture students) and

\$4,800

(first-year and transfer architecture students).

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; Transportation; Personal Expenses; Health Insurance; and Miscellaneous.

Graduate Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

New Jersey Residents  
Non-New Jersey Residents

Tuition  
\$23,076  
\$33,138

Fees  
\$4,734  
\$4,734

Total Per Year  
\$27,810  
\$37,872

\*\* Full-time = 9 credits

For New Jersey resident and Non-New Jersey resident students  
living on campus

, the value for  
Housing & Food is \$16,450  
and

Additional Indirect Cost is \$6,400.

For New Jersey resident and Non-New Jersey resident students  
living off campus

, the value for  
Housing & Food is \$17,936  
and

Additional Indirect Cost is \$9,400

.

The value for  
Books & Supplies is \$1,600 for non-architecture students  
and

\$2,000 for architecture students.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T  
Online

Graduate e-Tuition (100% online)

Cost per credit -  
\$1,143

Undergraduate e-Tuition (100% online)

Cost per credit -  
\$537

International Cost of Attendance\* for 2024 - 2025 (two semesters at full-time\*\*)

Undergraduate

Graduate

Tuition and Fees

\$37,664

\$38,436

Living Expenses

\$16,450

\$16,450

Other Expenses (health insurance, etc.)

\$10,787

\$10,187

Total Estimated Cost

†

\$64,901

\$65,073

\*\* Full-time for undergraduate students = 12-19 credits

\*\* Full-time for graduate students = 9 credits

† All expenses are estimated. Expenses are indirect costs and may vary.

\* Cost of Attendance components include: Tuition & Fees; Housing & Food; Books, Course Materials, Supplies & Equipment; T

Fill out an online  
application today!

[Apply Online](#)  
[Download a brochure and learn about NJIT](#)  
[Download](#)  
[Schedule a visit to campus](#)  
[Schedule a Visit](#)

---

Page: <https://www.njit.edu/careerservices/garrison-kirk-community-service-scholarship>

[Garrison-Kirk Community Service Scholarship | Career Development Services](#)

[Skip to main content](#)

[Menu](#)

[Career Development Services](#)

[Search](#)

[In This Section](#)

[Home](#)

[About](#)

[CDS Advisory Board](#)

[Career Outcomes Dashboard](#)

[CDS Metrics](#)

[2024 Post-Graduation Outcomes Report](#)

[Top Employers and Graduate/Professional Schools](#)

[Starting Salary Data](#)

[Contact Us](#)

[Get Prepared](#)

[Resumes and Cover Letters](#)

[Find Your Career Advisor](#)

[Events and Workshops](#)

[Interview Prep](#)

[Career Planning](#)

[Alumni Career Spotlights](#)

[Career Assessments](#)

[Career Closet](#)

[Find Opportunities](#)

[Handshake](#)

[Co-op & Internship](#)

[Micro-Internships](#)

[Career Fairs](#)

[On-Campus Interviewing](#)

[Additional Job Search Resources](#)

[Graduate & Professional School](#)

[Report Employment](#)

[Community Service](#)

[NJIT Votes!](#)

[Volunteer Opportunities](#)

[Community Service Work-Study Programs](#)

[Service Learning Program](#)

[Alternative Spring Break](#)

[First Year Service Day](#)

[Garrison-Kirk Community Service Scholarship](#)

[Non-Profit Agencies](#)

[For Employers](#)

[Career Fairs](#)

[Agenda/Display Information](#)

[Directions and Parking](#)

[Co-ops/Internships](#)

[On-Campus Interviewing \(OCI\)](#)

[Branding Opportunities](#)



Sponsor Packages  
Become an ELEVATE Partner  
Hiring International Students  
Top NJIT Recruitment Partners  
NJIT Alumni Campus Champions  
Starting Salaries  
Report Hiring Outcomes  
CDS News  
Home  
Community Service  
Garrison-Kirk Community Service Scholarship  
Garrison-Kirk Community Service Scholarship  
The George Garrison & Sandy Kirk Community Service Scholarship was established by NJIT Career Development Services to  
Community Service  
In This Section  
Home  
About  
Get Prepared  
Find Opportunities  
Community Service  
NJIT Votes!  
Volunteer Opportunities  
Community Service Work-Study Programs  
Service Learning Program  
Alternative Spring Break  
First Year Service Day  
Garrison-Kirk Community Service Scholarship  
Non-Profit Agencies  
For Employers  
CDS News  
Community Service Scholar Winner (3).png  
Applications Now Being Accepted!  
Deadline to Apply: April 4th, 2025  
Career Development Services will give (2) \$750 merit-based scholarships or awards. One will be awarded to a student and the  
To apply, fill out the  
online application  
.  
For additional information, please contact Nadyrah Amin, Program Manager, Career Development Services at  
amin@njit.edu  
Be our 2025 Civic Scholars Winner! Tell Us About Your Community Service  
We want to spotlight your service. Most notable submission will receive \$250. First 50 Submissions Will Get a \$10 Book Store C  
Click Here To Submit Your Entry  
Callout Link

---

Page: <https://www.njit.edu/careerservices/njit-career-fairs>

NJIT Career Fairs | Career Development Services  
Skip to main content  
Menu  
Career Development Services  
Search  
In This Section  
Home  
About  
CDS Advisory Board  
Career Outcomes Dashboard  
CDS Metrics

2024 Post-Graduation Outcomes Report  
Top Employers and Graduate/Professional Schools  
Starting Salary Data  
Contact Us  
Get Prepared  
Resumes and Cover Letters  
Find Your Career Advisor  
Events and Workshops  
Interview Prep  
Career Planning  
Alumni Career Spotlights  
Career Assessments  
Career Closet  
Find Opportunities  
Handshake  
Co-op & Internship  
Micro-Internships  
Career Fairs  
On-Campus Interviewing  
Additional Job Search Resources  
Graduate & Professional School  
Report Employment  
Community Service  
NJIT Votes!  
Volunteer Opportunities  
Community Service Work-Study Programs  
Service Learning Program  
Alternative Spring Break  
First Year Service Day  
Garrison-Kirk Community Service Scholarship  
Non-Profit Agencies  
For Employers  
Career Fairs  
Agenda/Display Information  
Directions and Parking  
Co-ops/Internships  
On-Campus Interviewing (OCI)  
Branding Opportunities  
Sponsor Packages  
Become an ELEVATE Partner  
Hiring International Students  
Top NJIT Recruitment Partners  
NJIT Alumni Campus Champions  
Starting Salaries  
Report Hiring Outcomes  
CDS News  
Home  
For Employers  
NJIT Career Fairs  
NJIT Career Fairs  
NJIT Career Fairs are offered in both the Fall and Spring with regular participation of 240 employers and nearly 3,000 students  
#42 Top Public Universities Nationally  
by the  
U.S. News and World Report  
. See a full list of NJIT  
Rankings here  
.  
For Employers  
In This Section

[Home](#)  
[About](#)  
[Get Prepared](#)  
[Find Opportunities](#)  
[Community Service](#)  
[For Employers](#)  
[Career Fairs](#)  
[Agenda/Display Information](#)  
[Directions and Parking](#)  
[Co-ops/Internships](#)  
[On-Campus Interviewing \(OCI\)](#)  
[Branding Opportunities](#)  
[Hiring International Students](#)  
[Top NJIT Recruitment Partners](#)  
[NJIT Alumni Campus Champions](#)  
[Starting Salaries](#)  
[Report Hiring Outcomes](#)  
[CDS News](#)

This Fall 2025 semester, we are excited to once again host a fully in-person career fair here at our Newark, NJ campus. This event is a regular career fair participants include: ADP, Audible, Creston Electronics, Colgate-Palmolive, FDM Group, GAF, Getinge, Johnson & Johnson, etc. Below, please find additional information on our Fall 2025 Career Fair:

[Fall 2025 Career Fair Details](#)

[Registration Fees](#)

[Payment & Cancellation Policy](#)

[Participation](#)

[Details](#)

[NJIT Fall 2025 Career Fair](#)

[Wednesday, September 17th](#)

[11:30 AM - 4:00 PM](#)

[To Register](#)

, please login to your

Handshake

account or

create a new account

and search "NJIT Fall 2025 Career Fair" under "Fairs" on the left navigation.

[Registration Deadline](#)

: Friday, September 5th (or earlier if capacity is reached)

[Registration Options:](#)

[Standard Registration Includes:](#)

Participation of 2 representatives from your organization (with optional add-on of up to 3 additional representatives)

6-foot rectangular table and 2 chairs for the duration of the event

Parking, shuttle service, and lunch included

[Event Sponsor Add-on Includes:](#)

Prime table location at the event.

Inclusion of organization logo on flyer, event big screen, and printed directory

Priority selection of information session and interview dates before and after the fair

Opportunity to participate in career fair workshop leading up to the event

Preferred on-campus parking

[Premium Event Sponsor Add-on Includes:](#)

All of the Event Sponsor benefits listed above

Promotion through a targeted email blast and social media post

Feature as a Reverse Career Fair sponsor for visibility with the student leaders of our diverse, professional organizations

Inclusion in "Career Services Sponsors" Handshake Collection for the duration of the semester

[Registration Fees](#)

[Corporate:](#)

\$825 up to June 27th, thereafter \$925

[Government / Nonprofit:](#)

\$425 up to June 27th, thereafter \$525

[Small Business \(50 Employees or Fewer\):](#)

\$425 up to June 27th, thereafter \$525

Staffing Agency / Third Party Recruiter:

\$1,025

Optional Add-ons:

Additional Representatives Beyond 2 (Max of 5 Total Representatives):

+\$100 per representative

Access to Electrical Outlet:

+\$100

Enhanced Branding (logo on flyer, big screen, and printed directory):

+\$200

Sponsorship Options:

Event Sponsor:

+\$600

Premium Event Sponsor:

+\$1,200

Payment & Cancellation Policy

Payment Deadlines:

Registrations under the early bird rate must be paid by June 27th. Registrations under the the standard rate must be paid by September 1st.

Cancellations:

All cancellations must be emailed to

[pyoung@njit.edu](mailto:pyoung@njit.edu)

by August 16th for a full refund. Cancellations received after August 16th will receive a refund minus \$100 administrative fee. No refund for cancellations received after September 1st.

Registrant Responsibility:

Submission of an NJIT career fair registration obligates the organization and listed contact representative to be responsible for providing accurate information and for the conduct of their representatives at the fair.

Participation Details

Please utilize the following resources as you prepare for your participation in the fair:

Directions & Parking Instructions

Agenda / Display Information

Local Accommodations

If you have questions at this time, please contact Patrick Young at

[pyoung@njit.edu](mailto:pyoung@njit.edu)

or 973-596-3246.

Related Links:

Directions & Parking

Agenda / Display Information

Local Accommodations

Past Career Fair Participants - Fall 2024

Past Career Fair Participants - Spring 2025

---

Page: <http://www.njit.edu/about>

About NJIT | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs

Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students

Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now

NJIT offers more than 125

undergraduate and graduate degree programs

in six specialized schools instructed by expert faculty, 98 percent of whom hold the highest degree in their field. Our academic p

fully accredited by the appropriate accrediting boards, commissions and associations

such as Middle States Association of Colleges and Schools (MSA), Accreditation Board for Engineering and Technology (ABET

The

Learning and Development Initiative (LDI)

connects people to the skills and knowledge they need to succeed today by offering a vibrant portfolio of non-degree courses, w

\$2.8B

NJIT's annual economic impact on the State of New Jersey

Highest

NJIT Earns Highest Research Rating (R1)

Source: Carnegie Classification

NJIT prepares its graduates for positions of leadership as professionals and as citizens.

Learn More

We have amazing students from all over the world, and we rank #1 in New Jersey in awarding engineering degrees to African-A

Meet some of our students

We prepare our students to become leaders in the economy of the 21st century.

Apply Now

"With the excellent training I got at NJIT, I am ready to start a new journey and explore the world."

Xinglei Liu

Class of 2018

"I appreciated the intellectual challenges, career preparation and diverse student body."

Karen Cilento

Class of 2012

"The atmosphere at NJIT fostered my growth as a female in computing."

Krupali Patel

Class of 2017

NJIT is located in the vibrant University Heights district of downtown Newark, just 20 minutes from Manhattan by train.

Visit

our campus and

take a tour

.

Fill out an online

application today!

Apply Online

Download a brochure and learn about NJIT

Download

Schedule a visit to campus

Schedule a Visit

---

Page: <https://www.njit.edu/admissions>

Admissions | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)



Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT

[Our Mission and Values](#)  
[Alma Maters](#)  
[Visiting NJIT](#)  
[Campus & Parking Maps](#)  
[Maps & Directions](#)  
[Virtual Tour](#)  
[Public Transportation to Campus](#)  
[Local Accommodations](#)  
[About Newark and New York City](#)  
[News](#)  
[Contact Us](#)  
[Life at NJIT](#)  
[Activities & Organizations](#)  
[Hispanic and Latinx Leadership Council](#)  
[Inclusive Excellence](#)  
[Career Center](#)  
[Campus Center](#)  
[Housing & Dining](#)  
[On-Campus Housing](#)  
[On-Campus Dining](#)  
[Off-Campus Housing](#)  
[Off-Campus Dining](#)  
[Office of Student Life](#)  
[Health & Safety](#)  
[Student Health Services](#)  
[Counseling and Psychological Services](#)  
[Public Safety](#)  
[Recreation & Fitness](#)  
[Gyms & Facilities](#)  
[Intramural Sports](#)  
[Transportation & Parking](#)  
[On & Around Campus](#)  
[Athletics](#)  
[NJIT Highlanders](#)  
[Apply now](#)  
[Undergraduate Students](#)  
[Transfer Students](#)  
[Graduate Students](#)  
[Continuing Education](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)  
[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)  
[Webmail](#)  
[Canvas](#)  
[WebEx](#)  
[Jobs @ NJIT](#)  
[Menu](#)  
[Search](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)  
[Tools](#)  
[Calendars](#)  
[Campus Directory](#)  
[A-Z Site Index](#)

[Webmail](#)

[Canvas](#)

[WebEx](#)

[Jobs @ NJIT](#)

[Search](#)

[Admissions](#)

[Academics](#)

[Research](#)

[About](#)

[Life at NJIT](#)

[Athletics](#)

[I am a...](#)

[Apply now](#)

At NJIT, you will be part of a top-tier public research university and receive a world-class education.

[Undergraduate](#)

With superior academic programs, expert faculty, exceptional research opportunities and hundreds of internship and cooperative

[Incoming First-Year Students](#)

[Transfer Students](#)

[Graduate](#)

Pursue a master's or doctoral degree to advance your career or remain competitive by earning a certificate in your field.

[Graduate Students](#)

[Graduate Certificates](#)

[120](#)

[academic programs & degrees](#)

[188](#)

[new faculty hired in the past 6 years](#)

We gained national prominence by developing relevant academic programs.

[Explore Our Degrees](#)

[Learn how to apply to NJIT](#)

First, choose which type of prospective student you are

[Undergraduate](#)

[Graduate](#)

[International](#)

[Undergraduate](#)

[Undergraduate](#)

[First-Year Students](#)

If you have less than 15 college credits and have never attended another college or university.

[Learn about applying](#)

[Transfer Students](#)

If you have at least 15 college credits from another college or university.

[Learn about applying](#)

[Previously-Admitted Students](#)

If you have attended NJIT for at least one semester, but then took at least one semester off.

[Learn about applying](#)

[Visiting Students](#)

NJIT welcomes visiting students who currently are or used to be enrolled at other colleges/universities.

[Learn about applying](#)

[Graduate](#)

[Graduate](#)

[Graduate Students](#)

We've got everything you need to submit a successful application for admission—whether you're applying for a master's program

[Learn about applying](#)

[Graduate Certificates](#)

Boost your career credentials and earning potential in one of NJIT's more than 35 graduate certificate programs.

[Learn about applying](#)

[Previously Admitted Students](#)

If you've already finished at least one semester at NJIT, but then took a full semester or longer off, you are required to apply for

[Learn about applying](#)

[International](#)

International

Apply Early!

International credentials take longer to process, so we recommend that you start the application process at least six months before

Undergraduate

If you are a citizen of a foreign country and are not currently living in the U.S. as a permanent resident, you should apply as an international

Learn about applying

Graduate

During our admission process, we closely review your specific academic background and particular educational system in order to

Learn about applying

Questions? We're here to help

New Jersey Institute of Technology

Office of University Admissions

Fenster Hall, Room 100

University Heights

Newark, NJ 07102

Phone:

1-800-925-NJIT or 973-596-3300

Fax:

973-596-3461

Email:

admissions@njit.edu

Office Hours:

Monday–Friday

8:30 AM to 4:30 PM

Check your application status

Already applied? Find out the status of your application.

How much does it cost to attend NJIT?

\$32,216

Average cost of attendance for NJ resident undergrads living on campus

-

\$18,913

Average amount of grants and scholarships per student

= \$13,303

Average net price

Want a more exact number?

Try the

Net Price Calculator

>95% of NJIT students receive scholarships, grants and financial aid.

Financial aid overview

Meet Some of our Students

We prepare our students for success the moment they step onto campus.

Apply Now

"I have built a strong foundation at NJIT to carry throughout my future endeavors."

Neha Thati

"NJIT offers you the opportunity to find a field you love and dive right in without feeling pigeonholed."

Yousef Abbasi

Class of 2014

"NJIT provided me with an educational, competitive and encouraging environment that will serve me well in the future."

Pablo Arrutia

Class of 2019

Get your application in on time

Undergraduate

Graduate

First-Year Students: Early Action I

November 15

First-Year Students: Early Action II

December 15

First-Year Students: Rolling Admissions

March 1

[Transfer Students](#)

[June 1](#)

[International Students](#)

[April 1](#)

[Previously Enrolled Students](#)

[August 1](#)

[APPLICATION TYPE](#)

[FALL](#)

[SPRING](#)

[Master's - Domestic](#)

[June 1](#)

[November 15](#)

[Master's - International](#)

[May 1](#)

[November 15](#)

[Master's - Online Programs](#)

[August 1](#)

[November 15](#)

[Ph.D.](#)

[December 15](#)

[October 15](#)

[Graduate Certificates](#)

[August 1](#)

[November 15](#)

[Want to learn more about the application process?](#)

[How to Apply](#)

[Fill out an online  
application today!](#)

[Apply Online](#)

[Download a brochure and learn about NJIT](#)

[Download](#)

[Schedule a visit to campus](#)

[Schedule a Visit](#)

---

Page: <http://www.njit.edu/admissions/graduate-admissions>

[Graduate Admissions | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Academic Support & Advising  
Graduate Studies  
Office of Graduate Studies  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs

[Institutional Review Board FAQs](#)  
[Institutional Biosafety Committee \(IBC\) FAQs](#)  
[Institutional Animal Care and Use FAQs](#)  
[Export Control FAQs](#)  
[Conflict of Interest/Financial Conflict of Interest FAQs](#)  
[Streamlyne FAQs](#)  
[Contact Us](#)  
[Research Staff Assignments](#)  
[Feedback/Comments](#)  
[Research/Technology Inquiries](#)  
[About NJIT](#)  
[Key Facts](#)  
[Rankings and Recognition](#)  
[Administration](#)  
[Senior Administration](#)  
[Administrative Departments](#)  
[History of NJIT](#)  
[Our Mission and Values](#)  
[Alma Maters](#)  
[Visiting NJIT](#)  
[Campus & Parking Maps](#)  
[Maps & Directions](#)  
[Virtual Tour](#)  
[Public Transportation to Campus](#)  
[Local Accommodations](#)  
[About Newark and New York City](#)  
[News](#)  
[Contact Us](#)  
[Life at NJIT](#)  
[Activities & Organizations](#)  
[Hispanic and Latinx Leadership Council](#)  
[Inclusive Excellence](#)  
[Career Center](#)  
[Campus Center](#)  
[Housing & Dining](#)  
[On-Campus Housing](#)  
[On-Campus Dining](#)  
[Off-Campus Housing](#)  
[Off-Campus Dining](#)  
[Office of Student Life](#)  
[Health & Safety](#)  
[Student Health Services](#)  
[Counseling and Psychological Services](#)  
[Public Safety](#)  
[Recreation & Fitness](#)  
[Gyms & Facilities](#)  
[Intramural Sports](#)  
[Transportation & Parking](#)  
[On & Around Campus](#)  
[Athletics](#)  
[NJIT Highlanders](#)  
[Apply now](#)  
[Undergraduate Students](#)  
[Transfer Students](#)  
[Graduate Students](#)  
[Continuing Education](#)  
[Alumni](#)  
[Giving](#)  
[MyNJIT Login](#)

Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools

Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT

Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...

Apply now  
Home

Admissions  
Graduate Admissions  
Graduate Admissions

What's NEXT for your career? Give yourself an edge in today's highly competitive market place with a graduate degree from NJIT

Admissions  
In This Section  
Undergraduate Admissions  
Graduate Admissions  
How to Apply  
Graduate FAQs  
International Students

Tuition & Aid  
Visiting/Non-Matriculated Students  
Dates and Deadlines  
Apply Now  
Contact Admissions

Blog  
Choose from 55 master's and 19 doctoral programs covering the most advanced specialties in engineering, computing, management, and business.  
#1

Public University for Alumni Earnings, Economic Mobility, and Academic Profile

Source: New York Times

\$167M

total research expenditures in FY2023

We gained national prominence by developing relevant academic programs.

Explore our degrees

Learn at cutting-edge, multidisciplinary research laboratories in hot areas like cybersecurity, financial bubbles, tissue engineering, and nanotechnology.

Prepare for careers in the fastest growing, best-paying specialties. NJIT ranks 8th in the nation for alumni earning potential. The average NJIT graduate earns \$100,000 per year.

Meet Some of Our Graduate Students



NJIT's place as a leading public research university provides you with an experience that is hard to match.

[Visit Now](#)

"With my Master's in Biostatistics, my journey has been amazing. I found a very caring and homely environment at the university."

Nainy Jain

"I have enjoyed my time in the Materials Science and Engineering Program, particularly the small classes and individual attention."

Emine S. Karaman

Class of 2019

Fill out an online  
application today!

[Apply Online](#)

[Download a brochure and learn about NJIT](#)

[Download](#)

[Schedule a visit to campus](#)

[Schedule a Visit](#)

---

Page: <https://www.njit.edu/inclusive/identity-based-campus-clubs-and-organizations>

[Identity-based Campus Clubs and Organizations | Diversity and Inclusion](#)

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

Professional Development and Executive Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
About Us  
Faculty Research Committees  
NJIT Strategic Research Plan  
Research Data and Publications  
For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT

Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx

[Jobs @ NJIT](#)

[Search](#)

[Admissions](#)

[Academics](#)

[Research](#)

[About](#)

[Life at NJIT](#)

[Athletics](#)

[I am a...](#)

[Apply now](#)

[Home](#)

[Contact & Engagement](#)

[Identity-based Campus Clubs and Organizations](#)

[Identity-based Campus Clubs and Organizations](#)

[Welcome to the New Jersey Institute of Technology \(NJIT\) Office of Student Life page showcasing our identity-based clubs and](#)

[Contact & Engagement](#)

[In This Section](#)

[Home](#)

[Signature Programs](#)

[Contact & Engagement](#)

[About Us](#)

[Identity-based Campus Clubs and Organizations](#)

[University Non-discrimination Policy](#)

[News](#)

[Inclusive Excellence Resources](#)

[Request a Workshop](#)

[User guide:](#)

[Check out our Inclusive organizations by visiting](#)

[Highlander Hub](#)

[for the most up to date list of organizations on campus. Click on each organization to visit its Highlander Hub page. Any text tha](#)

[Disclaimer:](#)

[Please note that as student populations and leadership change from year to year, so do the activity levels of our clubs and orga](#)

[studentlife@njit.edu](#)

[Updated: September 25th, 2023](#)

[Undergraduate student organizations:](#)

[African Students Association \(AFSA\)](#)

[Association of Indian Students \(AIS\)](#)

[Bangladeshi Students' Association \(BSA\)](#)

[Black Student Union \(BSU\)](#)

[Caribbean Students Organization \(CaribSO\)](#)

[Chinese Undergraduate Student Association \(CUSA\)](#)

[Collegiate Association for the Research of Principles \(CARP\)](#)

[Coptic Society](#)

[Campus Crusade for Christ \(Cru\)](#)

[Ehsaas Indian Dance Team](#)

[Filipinos In Newark Engaging in Sociocultural Traditions \(FINEST\)](#)

[First Love New Jersey](#)

[Girl Up](#)

[Hispanic Association of Computing College Students \(HACCS\)](#)

[Hindu Youth for Unity, Virtues, and Action \(YUVA\)](#)

[InterVarsity Christian Fellowship](#)

[Iranian Cultural Association \(ICA\)](#)

[Lebanese Student Association \(LSA\)](#)

[Minority Association of Pre-Health Students \(MAPS\)](#)

[Muslim Student Association \(MSA\)](#)

[North African Society \(NAS\)](#)

[National Organization of Minority Architecture Students \(NOMAS\)](#)

[National Society of Black Engineers \(NSBE\)](#)

[Newark Sikh Student Association \(SSA\)](#)

Newman Catholic Campus Ministry  
 NJIT Hillel  
 NJIT Thillana Indian Classical Dance Team  
 Pakistani Student Association (PSA)  
 Polish Student Association (PSA)  
 Russian Club  
 Saavan South-Asian Accapella Group  
 Society of Hispanic and Latine Appreciation Club (SHLA)  
 Society of Hispanic Professional Engineers (SHPE)  
 Society of Women Engineers (SWE)  
 Spectrum LGBTQIA+ Organization  
 Veteran Student Organization (VSO)  
 Vietnamese Student Association (VSA)  
 Women Empowerment and Development Organization (WEDO)  
 Women in Computer Society (WiCS)  
 Graduate student organizations:  
 Chinese Students and Scholars Association (CSSA)  
 Graduates for Inclusion, and Belonging (GIDE)  
 Graduate Society of Women Engineers (G-SWE)  
 Graduate Women in Computing Society (G-WiCS)  
 Graduate Indian Student Association (SANSKAR)  
 All community organizations (students, staff, instructors):  
 Black Heritage Dialogue Circle (BHDC)  
 Black Heritage Committee (BHC)  
 Hispanic and Latine Heritage Committee (HLHC)  
 Hispanic and Latinx Leadership Council (HLLC)  
 The Murray Center for Women in Technology (MCWT)  
 Identity-Based Fraternities & Sororities:  
 Alpha Kappa Alpha Sorority, Inc.  
 Alpha Kappa Alpha Sorority, Incorporated (AKA) is an international service organization that was founded on the campus of Howard University in 1908.  
[www.aka1908.com](http://www.aka1908.com)

Delta Epsilon Psi Fraternity, Inc.  
 Delta Epsilon Psi ( $\Delta E\Psi$ ) is a South Asian interest social and service fraternity located in the United States. Delta Epsilon Psi Fraternity, Inc. is a South Asian interest social and service fraternity located in the United States. Delta Epsilon Psi Fraternity, Inc. is a South Asian interest social and service fraternity located in the United States.  
 Kappa Phi Gamma Sorority, Inc.  
 Founded by 27 visionary women, Kappa Phi Gamma Sorority, Inc. was established on November 8th, 1998, at The University of Maryland.  
 Iota Nu Delta Fraternity, Inc.  
 Iota Nu Delta, the First South Asian interest fraternity, develops well-rounded men to be tomorrow's leaders—bold individuals who are committed to the Brotherhood Eternal.

Iota Phi Theta Fraternity, Inc.  
 Iota Phi Theta Fraternity, Inc. ( $I\Phi\Theta$ ) is a historically African American fraternity. It was founded on September 19, 1963, at Morgan State University.  
 La Unidad Latina, Lambda Upsilon Lambda Fraternity, Inc.  
 Our Hermandad (Brotherhood) takes a role in meeting the needs of the Latino community through academic achievement, cultural awareness, and leadership development.

Following our foundation, we sought to affiliate ourselves with men who exemplify determination, pride, merit, creativity, focus, and commitment to accomplish the goals we had set for ourselves. The passion of our Hermandad helps to bring the many historical Latino accomplishments to the forefront.  
 NOT

LATIN EXCLUSIVE.  
 Lambda Tau Omega Sorority, Inc.  
 Lambda tau Omega Sorority Incorporated began its journey with 16 intelligent, energetic and independent womyn. These womyn are committed to the development of the Latino community through academic achievement, cultural awareness, and leadership development.  
 Lambda Theta Phi Latin Fraternity, Inc.  
 On December 1, 1975, history was made –Lambda Theta Phi was founded on the campus of Kean College in Union, New Jersey.  
 Multicultural Greek Council  
 The Multicultural Greek Council will promote and support the development and sustainability of multicultural Greek fraternities and sororities.  
 Omega Phi Chi Multicultural Sorority, Inc.

The overall purpose of Omega Phi Chi is to generate unity among all women. We believe that we can promote ethnic diversity b  
Phi Beta Sigma Fraternity, Inc.  
Phi Beta Sigma Fraternity, Incorporated was founded on January 9th, 1914 on the campus of Howard University. Our principles  
Sigma Beta Rho Fraternity, Inc.  
Sigma Beta Rho is the nation's premier multicultural fraternity. We span over 50 universities with over 3,000 members nationwid

---

Page: <https://www.njit.edu/about/contacts>

Key Contacts at NJIT | New Jersey Institute of Technology

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

For Researchers  
Courtesy Appointments  
Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us

Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics



I am a...  
Apply now  
Home  
About NJIT  
Key Contacts at NJIT  
Key Contacts at NJIT  
Connect with us at NJIT.  
About NJIT  
In This Section  
Key Facts  
Administration  
History of NJIT  
Visiting NJIT  
News  
Contact Us  
Mailing Address  
New Jersey Institute of Technology  
University Heights  
Newark, New Jersey 07102  
Main phone  
(973) 596-3000  
NJIT Organizational Chart  
Key Contacts  
Media Relations  
Deric Raymond  
973-642-7042  
draymond@njit.edu  
Public Safety  
Emergencies: 911  
Information: 973-596-3111  
Key Departments  
Admissions  
Stephen M. Eck, Executive Director, University Admissions  
973-596-3300 / 973-596-3461 (fax)  
stephen.eck@njit.edu  
Advancement  
Elizabeth S. Kornstein, Interim Vice President, Development & Alumni Relations  
973-596-8548  
elizabeth.s.kornstein@njit.edu  
Advisement  
Laurent Simon, Vice Provost for Undergraduate Studies  
973-596-3572  
laurent.simon@njit.edu  
Alumni Relations  
Rebecca Trump, Associate Vice President, Alumni Engagement and Giving  
973-596-3444  
rebecca.trump@njit.edu  
Athletics  
Stephanie Pillari, Assistant Athletic Director for Media Relations and Digital Strategy  
973-596-8324  
pillari@njit.edu  
Bursar  
973-596-2877  
bursar@njit.edu  
Career Development Services  
Patrick Young, Interim Executive Director of Career Development Services  
973.596.3100 / 973-596-6364 (fax)  
pyoung@njit.edu  
Communications and Marketing

973-596-3172  
stratcomm@njit.edu  
Computing and Information Technology Services  
Questions on obtaining access to or other matters in regard to IT  
services at the university should be directed to the IST Service Desk  
at (973) 596-2900, via email to  
servicedesk@njit.edu  
, or on the web at  
<http://help.njit.edu>  
. The IST Service Desk is available 24 hours per  
day, 7 days per week.  
Custodian of Records  
Clara Williams  
973-596-5461 / 973-642-4056 (fax)  
clara.b.williams@njit.edu  
or  
Request a record  
Enrollment Management  
John Pelesko, Provost and Senior Vice President for Academic Affairs  
john.pelesko@njit.edu  
(973) 596-3221  
Ethics  
Christine S. Li , Associate General Counsel/Ethics Liaison Officer  
973-642-7485  
ethics@njit.edu  
Financial Aid  
Ivon Nunez, Executive Director of Financial Aid  
973-596-3476 / 973-596-6471 (fax)  
ivon.nunez@njit.edu  
Graduate Studies  
Sotirios Ziavras, Vice Provost for Graduate Studies  
973-596-3462  
sotirios.g.ziavras@njit.edu  
Human Resources  
Joseph Wilson■, Interim Vice President of Human Resources  
973-596-3140  
Institutional Effectiveness  
Perry Deess, Ph.D., Executive Director, Office of Institutional Effectiveness  
973-596-3110 / 973-596-6085 (fax)  
deess@njit.edu  
The Learning and Development Initiative  
Michael Edmondson, Ph.D., Associate Provost for Continued Learning  
michael.edmondson@njit.edu  
Registrar  
Monica O'Donnell, Senior Associate Registrar  
973-596-3236  
973 642 7898 (fax)  
odonnell@njit.edu  
Research  
Atam P Dhawan, Senior Vice Provost for Research  
973-596-8566  
dhawan@njit.edu  
Student Affairs  
Marybeth Boger, Vice President for Student Affairs and Dean of Students  
973-596-3466 / fax 973-596-2951  
marybeth.boger@njit.edu  
Colleges and Schools  
Albert Dorman Honors College  
Louis Hamilton, Dean

973-642-3489  
louis.i.hamilton@njit.edu  
Hillier College of Architecture and Design  
Gabrielle Esperdy, Dean  
973-596-3026  
esperdy@njit.edu  
Ying Wu College of Computing  
Jamie Payton, Dean  
973-642-4205  
jamie.payton@njit.edu  
Jordan Hu College of Science and Liberal Arts  
Kevin Belfield, Dean  
973-596-3676  
kevin.d.belfield@njit.edu  
Newark College of Engineering  
Moshe Kam, Dean  
973-596-5534 / 973-596-2316 (fax)  
moshe.kam@njit.edu  
Martin Tuchman School of Management  
Oya Tuke█, Dean  
973-596-6263  
oya.i.tukel@njit.edu  
Fill out an online  
application today!  
Apply Online  
Download a brochure and learn about NJIT  
Download  
Schedule a visit to campus  
Schedule a Visit

---

Page: <https://www.njit.edu/precollege/publications>

Publications | Center for Pre-College Programs  
Skip to main content  
Menu  
Center for Pre-College Programs  
Search  
In This Section  
Home  
About Us  
Our Staff  
Pre-College Advisory Board  
Sponsors and Partners  
Publications  
Contact Us  
Student Programs  
NJ GEAR UP/College-Bound Programs  
NJ GEAR UP/College-Bound Program  
Upward Bound  
TRiO Programs  
Educational Talent Search  
Upward Bound  
Summer Early College Preparatory Programs (ECP) & STEMx  
Saturday Morning STEM (SMS)  
Academy College Credit Courses for High School Students  
Dual Enrollment Partnership / Options Program  
FSI -Forensic Science Initiative

Educator Programs  
STEM Forum for School Leaders  
Outcomes Assessment and Evaluation  
Research Experiences for Teachers Archive  
NJ Forensic Science Education Conference  
Teacher Prep Program in Forensic Science  
Virtual Learning  
Family Programs  
STEM Family Workshops  
Family Open Houses  
Virtual Learning  
Competitions  
Elementary STEM Challenge  
New Jersey Science Olympiad  
News & Events  
Events  
News  
Home  
About Us  
Publications  
Publications  
The Center for Pre-College Programs publications  
About Us  
In This Section  
Home  
About Us  
Our Staff  
Pre-College Advisory Board  
Sponsors and Partners  
Publications  
Contact Us  
Student Programs  
Educator Programs  
Family Programs  
Competitions  
News & Events  
The History of The Center for Pre-College Programs  
The Center for Pre-College Programs brochure

---

Page: <https://www.njit.edu/precollege/competitions>

Competitions | Center for Pre-College Programs  
[Skip to main content](#)  
[Menu](#)  
[Center for Pre-College Programs](#)  
[Search](#)  
[In This Section](#)  
[Home](#)  
[About Us](#)  
[Our Staff](#)  
[Pre-College Advisory Board](#)  
[Sponsors and Partners](#)  
[Publications](#)  
[Contact Us](#)  
[Student Programs](#)  
[NJ GEAR UP/College-Bound Programs](#)  
[NJ GEAR UP/College-Bound Program](#)

Upward Bound  
TRiO Programs  
Educational Talent Search  
Upward Bound  
Summer Early College Preparatory Programs (ECPP) & STEMx  
Saturday Morning STEM (SMS)  
Academy College Credit Courses for High School Students  
Dual Enrollment Partnership / Options Program  
FSI -Forensic Science Initiative  
Educator Programs  
STEM Forum for School Leaders  
Outcomes Assessment and Evaluation  
Research Experiences for Teachers Archive  
NJ Forensic Science Education Conference  
Teacher Prep Program in Forensic Science  
Virtual Learning  
Family Programs  
STEM Family Workshops  
Family Open Houses  
Virtual Learning  
Competitions  
Elementary STEM Challenge  
New Jersey Science Olympiad  
News & Events

Events

News

Home

Competitions

Competitions

Academic competitions are a valuable way to showcase motivated students, elevate the status of high achievers, and generate

Competitions

In This Section

Home

About Us

Student Programs

Educator Programs

Family Programs

Competitions

Elementary STEM Challenge

New Jersey Science Olympiad

News & Events

Students who take part in academic competitions develop increased confidence and gain a greater appreciation for core academic

Below are some competitions administered, organized, and/or coordinated by the CPCP:

New Jersey Science Olympiad

NJIT's Elementary STEM Ch

allenge

NJIT REGIONAL SCIENCE OLYMPIAD

Read more

Callout Link

---

Page: <https://www.njit.edu/research/proposal-preparation-and-submission-faqs/>

Proposal Preparation and Submission FAQs | Research

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[How We Evaluate Applicants](#)

How to Apply  
Admitted Students  
Graduate Admissions  
How to Apply  
Admitted Graduate Students  
Graduate FAQs  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Majors and Minors  
Academic Support & Advising  
Graduate Studies  
Graduate Degree Programs  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional & Corporate Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
NJIT Strategic Research Plan  
Research Data and Publications  
About Us  
Centers and Laboratories  
For Researchers  
Funding Opportunities  
Active Programs and Grants  
Proposal Preparation Forms and Guide  
Policies  
Pre-Award Services  
Grant Management Guide  
Grant and Contract Accounting  
Post-Award and Closing Requirements  
Grant Management Software System  
Research Compliance  
Responsible Conduct of Research  
Institutional Review Board  
Institutional Biosafety Committee  
Laboratory Safety, Training and Compliance  
Animal Care and Use (IACUC)  
Export Control  
CITI Software  
OMB Uniform Guidance  
Intellectual Property and Commercialization

Available Technologies  
For Inventors  
For Industry  
IPP FAQs  
Intellectual Property (IP) Committee Members  
Commercial Enterprise Development  
Contact DIPP  
Educational Grant Support Resource  
Educational Programs Support and Centers  
Academic Achievement Program Agreements  
Funding Resources and Opportunities  
Proposal and IRB Templates  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Courtesy Appointments  
Distinguished Research Panels/Seminars  
Research News  
Research FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Maps and Directions  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus

Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Moodle  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Moodle  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
NJIT Implementation of Recent Executive Orders  
Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research  
Home  
Research FAQs  
Proposal Preparation and Submission FAQs  
Proposal Preparation and Submission FAQs  
Research FAQs  
In This Section  
Home  
Office of the Senior Vice Provost for Research  
For Researchers  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Intellectual Property and Commercialization  
NJIT Research Centers and Laboratories  
Faculty Awards Initiative  
National Academy of Inventors - NJIT  
Research FAQs  
Proposal Preparation and Submission FAQs  
Subcontractor/Consulting Agreement FAQs



Post-Award Management FAQs

Responsible Conduct of Research FAQs

Institutional Review Board (IRB) FAQs

Institutional Biosafety Committee (IBC) FAQs

Institutional Animal Care and Use Committee (IACUC) FAQs

Export Control FAQs

Conflict of Interest FAQs

Streamlyne FAQs

Research News

Contact Us

Close All

Expand All

What is the first step?

Contact SRA. However you are comfortable: e-mail, phone, and stop by our office in the Fenster all Building (3rd Floor); just be

What is the preferred way to contact SRA?

The best option is to send an e-mail to the Research Director/Project Manager with a CC to the

[srard@njit.edu](mailto:srard@njit.edu)

. We recommend using your Director/Research Manager assigned to your college rather than emailing a specific staff member.

<http://www.njit.edu/research/>

Can I submit a late proposal?

Federal agencies distinguish between deadlines and target dates.

Deadlines are absolute and proposals received after a deadline are not accepted. For those competitions with target dates, there

If the delay will be significantly more, please contact to make certain it can still be included in the pending review cycle. For some

How can I help avoid delays in SRA proposal processing time?

Follow the Proposal Preparation Guide:

Work with Department/College Representative and SRA early in the process

Read the solicitation closely and address any special requirement

Become familiar with agency-specific rules, e.g. National Institutes of Health (NIH) salary cap and National Science Foundation

Prepare the necessary forms. Ensure all Investigators have submitted their Conflict of Interest Disclosure prior to submission

Confirm the Internal Sign off has been approved up to SRA's level of approval

If the proposal includes subcontracts, ensure you have received the signed Sub-recipient Commitment Form for each subcontract

My work is interdisciplinary. What should I do?

Any federal agency recognizes that innovative research often lies at or between traditional disciplinary boundaries and encourages

A potential applicant should contact a relevant program Director and discuss their particular project. For administrative reasons

My project involves multiple researchers at several institutions. How should I handle this?

There are several mechanisms to provide support to researchers at multiple institutions and to accomplish this within the framework

These include subcontracts, collaborative awards and a central plan of administration by a single institution. Although one needs

Applicants should call the Program Director to discuss the details, advantages and disadvantages of each alternative.

Will you write the grant for me?

The simple answer is no.

In our experience, having another person put your ideas into words is not effective, is not as successful, is totally transparent to

What else do I need to know to effectively deal with SRA?

SRA is committed to facilitating the pre-award process for scholarly research. The following information will help you understand

SRA can assist you with properly understanding the Request For Proposal (RFP). This may include blocking off long periods of

Time can be a very real constraint. Keep in mind that some proposals will need specific certifications that they are common; the

What is the NJIT Timeline for Proposal Submission?

1 month

in advance (as early as possible) send the SRA a message of intent to apply to

[srard@njit.edu](mailto:srard@njit.edu)

This should include the request for proposal identification number (NSF, NIH) or the grant proposal guidelines document. At minimum

2 weeks

before the due date the budget should be finalized and the approval proposal process should be initiated. This includes the Department

72 hours

prior to submission the SRA will initiate a proposal review and check for submission errors. For this to occur, all portions of the proposal

24 hours

prior to the deadline for on-time submission, the PI should release the final version of the proposal to the SRA office. (Please refer to

Research Proposal Submission Guidelines Recommendations

.  
What recommendations do you have for my Major/Multi-year Research Projects (e.g. NSF, NIH, DOD)?

It is strongly recommended that proposal budgets prioritize student support. Grants and contracts generally include in their person

How do we submit Small and Consulting Projects and non-STEM Grants, and/or Creative Projects?

Small or creative projects and/or consulting contracts, usually involving industry, state or private agency funding, will be treated

A faculty member who is seeking such funds should clearly explain the scope of the project and its funding source to the Chair

The involvement of students in such projects can be compensated on an hourly basis at a rate consistent with federal work-study

What is the process for changing an Awarded Proposal Budget?

In the case that the budget of a grant or contract is awarded with budget changes, the new budget and justification must be resubmitted

If the grant can no longer support the full student cost, the remaining portion will be cost shared by the Department Chair, Dean

How do I Budget a Different Indirect Costs?

If the company or agency does not allow indirect costs as stated in our agreement with the Federal government, they must provide

For grants and contracts that restrict indirect costs, the remaining needed cost will be shared by SRA.

What if my Proposal Requires a Budget Match?

When an agency requires a match to the proposed budget, the PI of the proposal will contact the SRA to discuss the inclusion of

---

Page: <https://www.njit.edu/precollege/nj-gear-upcollege-bound-program>

NJ GEAR UP/College Bound Program | Center for Pre-College Programs

[Skip to main content](#)

[Menu](#)

[Center for Pre-College Programs](#)

[Search](#)

[In This Section](#)

[Home](#)

[About Us](#)

[Our Staff](#)

[Pre-College Advisory Board](#)

[Sponsors and Partners](#)

[Publications](#)

[Contact Us](#)

[Student Programs](#)

[NJ GEAR UP/College-Bound Programs](#)

[NJ GEAR UP/College-Bound Program](#)

[Upward Bound](#)

[TRiO Programs](#)

[Educational Talent Search](#)

[Upward Bound](#)

[Summer Early College Preparatory Programs \(ECP\) & STEMx](#)

[Saturday Morning STEM \(SMS\)](#)

[Academy College Credit Courses for High School Students](#)

[Dual Enrollment Partnership / Options Program](#)

[FSI -Forensic Science Initiative](#)

[Educator Programs](#)

[STEM Forum for School Leaders](#)

[Outcomes Assessment and Evaluation](#)

[Research Experiences for Teachers Archive](#)

[NJ Forensic Science Education Conference](#)

[Teacher Prep Program in Forensic Science](#)

[Virtual Learning](#)

[Family Programs](#)

[STEM Family Workshops](#)

[Family Open Houses](#)

[Virtual Learning](#)

[Competitions](#)

[Elementary STEM Challenge](#)

[New Jersey Science Olympiad](#)

[News & Events](#)

[Events](#)

News

Home

Student Programs

NJ GEAR UP/College-Bound Programs

NJ GEAR UP/College Bound Program

NJ GEAR UP/College Bound Program

Participants in the NJ GEAR UP/College Bound program receive early awareness of subject matter that better prepares them for

NJ GEAR UP/College-Bound Programs

In This Section

Home

About Us

Student Programs

NJ GEAR UP/College-Bound Programs

NJ GEAR UP/College-Bound Program

Upward Bound

TRiO Programs

Summer Early College Preparatory Programs (ECP) & STEMx

Saturday Morning STEM (SMS)

Academy College Credit Courses for High School Students

Dual Enrollment Partnership / Options Program

FSI -Forensic Science Initiative

Educator Programs

Family Programs

Competitions

News & Events

What is NJ GEAR UP/College Bound?

NJ GEAR UP/College Bound is a pre-college program that serves students in the Newark school district. Students are exposed to

Services We Offer

Academic-Year Program - comprehensive academic sessions for 20-weeks after school and Saturdays.

Summer Program - intensive academic instruction for four to six weeks.

Program Focus - math and science skill development; written and oral communication; counseling, leadership development, academic

Mentoring Program - exposure to minority role models through mentoring and special lecture programs.

Student Development - enhancement through leadership, cultural and career experiences, mediation training and academic courses

Parent Support Group - workshops and seminars designed to address parent's their concerns. Topics include- parenting, teen safety

How Do I Qualify?

To participate in NJ GEAR UP/College Bound you must:

Live in the city of Newark

Complete a program application

Provide a copy of your latest report card

Attend one of the following target schools

- Belmont Runyon

- Hawkins Street School

- Lafayette Street School

- Luis Munoz Marin

- Rafael Hernandez

- Ridge Street School

- Sussex Avenue

- Wilson Avenue

- Barringer High School

- Central High School

■ - East Side High School

- Weequahic High School

Meet family income requirements

Enter the program in grades 7 through 12.

Once all documents are received, Site Directors will contact you for an interview with you and your parent/guardian.

Program Cost

It is absolutely free. Students are provided with books, instructional supplies, field trips, meals and public transportation tickets and

Online Application:

NJ GEAR UP/College Bound Link

Contacts

Mr. Ozzie A. Williams  
Director of NJ GEAR UP/College Bound Program  
Phone: (973) 596-5761  
Email:

ozzie.williams@njit.edu  
Mrs. Nakeishia Knox  
Site Director  
High School Component  
9th and 10th Grade  
Phone: (973) 596-5412  
Email:

knox@njit.edu  
Mrs. Annette  
Arocho-Bautista  
Site Director  
High School Component  
11th and 12th Grade  
Phone: (973) 596-8194  
Email:

arochoba@njit.edu  
Mrs. Maria Andrade  
Site Director  
Middle School Component  
6th through 8th Grade  
Phone: (973) 596-5633  
Email:

andrade@njit.edu  
Call or write to the main office:  
New Jersey GEAR UP/ College Bound Program  
New Jersey Institute of Technology  
Center for Pre-College Programs  
Campbell Hall, 4th & 5th Floors  
University Heights  
Newark, NJ 07102-1982  
Ph: (973) 596-5762  
Fax: (973) 642-4195 Fax

---

Page: <https://www.njit.edu/sites/njit.edu.publicsafety/files/Appendix%20B%20IA%20Report%20Form%20-%20Other%20Language%20-%20PDF-1.7.pdf>

%PDF-1.7

1623 0 obj<

>endobj

1641 0 obj<

>/Filter/FlateDecode/ID[<0A89D38931B42A4B9314A8249C5EF8E7><324E1B5D10773A4EAB97D7A29E13F8F9>]/Index[1623

hbbd' b`f- i d"Y{#f R D^f n 3sL|v10g[ +

endstreamendobjstartxref

0

%%EOF

1662 0 obj<

>stream

h b`e` g`a` L@9M L`w^3HNDL>C6 !]51|j`q

>/Metadata 99 0 R/Outlines 269 0 R/Pages 1621 0 R/StructTreeRoot 290 0 R/Type/Catalog>>endobj1625 0 obj<

>/MediaBox[0 0 612 792]/Parent 1621 0 R/Resources<

>/Font<

>/ProcSet[/PDF/Text/ImageB/ImageC/ImageI]>>/Rotate 0/StructParents 0/Tabs/S/Type/Page>>endobj1626 0 obj<

>stream  
h  
J.u/b/6V^@  
u}!W!e5Cr8!g>Y:!!i!\$-!\*/8,çJd!ba(\$!\_\*:!!'!!lva!e!\*!!elsL)!!Li2v6@sY!L  
oWC!!?!!E~!\$oE!!l!u!!IkT!!h]!!l!"#dr!T!!e!!N  
YF!G!!U!!7!!&!!+!!X!d!!4!\*!!|.!!X!!GI(e!!M!8!X!!|P!1Q!!8!!  
~!!U!!uoP!Uf5!!B!:!!ly!QAoc:!!=!!m!"!!=E!!=5!v!!  
\\f!!6!!/9!![i!!V!!o!!Rtg!!c!#=!!I!!|!H7!r!\!!]o!r!!w!!m!!  
endstreamendobj1627 0 obj<  
>stream  
H!W!F!}7!!qv!!7!!Y!0!<!!<!![!%Y!xl!20!.!]!S!!!y!>~!!/!!\_!^!  
(!!!R6!!  
X9!K!%!!o!!4!D!!qK!!D!!t/!!}!!q!!3!'!!r!!+!!\$zK!!!"!!(V!!2\*!!D2u!!  
!!pNr!%!!mNCI!!Q!W!!&.Mc.3V!!y4JbN,!!f.!!<!!6%Z!!Y!!k!!;60rtLPS!`!!b!!u26!!o!!  
a!!f!!p!ck!g[g!@!G!!t!N!!h!!@x!)){{9!!RL!/!!obj!!`!!7!!~!!E!"!!u!!  
endstreamendobj1628 0 obj<  
>stream  
H!![k!0!!z!u9!A04!36V!!J!!;r!!K!Gz+!q!K>!!t!W!O!!!rM&!!f!!Bf!!r!!  
!!Js!4^!!d!~!c+!!  
k!!mD!!f#d!X>!!>!!}[m~`N!!r!!}Sm!e!){!!\_@!!Z&!32~!:!!V7!8!\*3N!hQ!"!!  
!!#.!oe!!#!!\_!!tc|=|!![a!>!!V!!3J!!F!{!!>!!H!!B!!Z+E!@!!=!!\$!!N!!Hh;sm%!!  
endstreamendobj1629 0 obj<  
>stream  
H!W!G!}!!G!V!/!!H!QH!|!!y0y!!bC![!!U!!e!!T!!sj!!Yu!wy!-!8!!|!0e!!B!!  
!@!!n!?!X!!~!.!x!!h!gC!|!Â!!03!!2!3!!1!#!!B]"p!!E!PX!!/!!;H!o!K!!o}!!  
!\$!!jO!!/!!ol!b!!KKx!#|!!+!!X!X!4!v.!!1>b!s!k0C#!u!!}2!!>!!o1j!1!!  
!e>4!z!p!D9!!+!!<!!{!\*!H!!my!g!!(!!2!!+!!a!!B!!b!!N!!0!!W!!  
!!=!!b!!Dj!  
endstreamendobj1630 0 obj<  
>stream  
H!WQ!!6!~7!!)(!!p0!;!!aE74!!=!!]!!=tY!!GJ!!Nb!!/!p!keQ!G!H:!!u!!d!f!r!w!i!!  
!!>F=!~Z!!~!!6!/D~!:!!2<!!N!!  
"5!!\!w:!!h\$!X!\*Hrr!!r~!!k!!W!2!!R!aZ!!r?X!o!!X!o!!I5!!/!!  
!k!!N!!!"sy!!j!Jv"\*a>!!E!P)!!As!!y.Q!sg!!/!@!!  
!W!!r!!~!!g/!!~!!g!!-X!!C!!R!![!!]!!+k!!rJ~^!!P!!&!s\!!K!tGZV!?!7]!!  
!!v!!q!!!"!C!q,!!Bx!!\_p!!4!!q!!|!c!!t!!u!!Qx!!al!!=T!!\*!2!J!!a!!  
!!}&!!?T!o~!6!H\*!!M!%!!R!!@:!!u!!D!!:9!!=!!B!Z!!D!!5!@M!!T!!5!!.#D  
S!K!!tr!!R!!#!!G!!5!Q!w!N!![!!<!!VL!;!!Z!X!2i!!t!<!!bd!!ZE!!  
endstreamendobj1631 0 obj<  
>stream  
H!W[!!6!~7!?!?!!qf!!!#!!8!!KK!!|!!a;3l!!n!!=G!o!!8!!!q,!!sQ!!;!!J!!\*!!|!!b!!U"!!\!!  
!!P!!3!\!!S!!r!!W(!!d!!^!QU!!j!!(!!!!)!!A!!y.!!E!!-!!^!DT!!  
w!  
;!!KUUh!!Y!!Z!:&!!]!!vHQ!!Q!v!0!!qç!!uq!j!!."?!!S!!O!!)!!<!!Z3!qx!!q!K!!  
!!hi!j!!t!!J!9!!/!!b!!U^Xi6!!5!!+5Z!!fP!!beA!o!!su~!,W!!N!(W!d!J!!  
f!qi!![!b!!ko!1P!!Un!1!!B!8!\_i!y!p!R!Q!!%J!!F!!6!!8!!K!\*t!!^!!h!!  
d!!l!!V!!g!!J!!T\!!r!!a!G!!(y!!n!<!!=U!!y!!\*!!mf!!xl!!}!F!!0:\!!;!!+!!  
endstreamendobj1632 0 obj<  
>stream  
H!W!!9!}7!?!?!!q&`YR!  
!!}!!^!%!!}X!`!!!;!!g!|=!!v[\*U!tN!!I!Q!!\_!!K!!?V!!Û!!~!!{!!w!!  
!!|!!?!!J!!~!!y!h!|!!;!!d!!b!4!!A/!!+!!-!!  
!c!!L  
.!!g!!|!![!!2!!}!!-!!B!!w!Gv!%!!f!!FY!!?7!!-!!T!S!#!!L!!Z!!Hj- h!5!!  
!!kS!b!!2!!U!0!s!!~!!y+!!(>!!:/!!~!!\_!!"C!s{  
!!&!!!)!!u!!%!!U(B!(a!!l!b!!h!`!!%!!sFb!!iL!!3!!C!L!!&f!T!R!!j!!O31!!t!8f!h!!kc!>^!p  
@!!jw!!|!!5!!mS]!!X!H!!P!!CK!!F!z!!E!!t!hn!!~S!!  
endstreamendobj1633 0 obj<  
>stream

[illegible]

W||9|h~\$vQ4N||VZUwX!\*)t~==L||e4{Md8JduUuB||r-  
Tz\$y@R||Q||N|x^`a0||#A4||X||8G)||N||L\*  
[||x||t||3||7]|=||;||1||9g||6||P||n||X2||  
||LF||b||p||0||[||H||0v||0\$||e||4M||@||N||  
L||lc||1&XJ||lw:||||E||U||UU||'||lh||1m||=||6g||q||\_||i||3||e||+||sa||Q||?||  
||R||u||#||R||fy||@||%||\$||1||}||8n||gP&||X||q||\_\||:||s||s||{||#||o||Q||T,||gc  
5(||L&a||T||9||ZJk\_||E||G||:||ΘXu||"À||?||zQ||CF||W||"I5||g||)C||LZU||7B||0||"||h  
||^eL||'g||+||G||'||)r||U||L||  
f.||,2kgAb||BD{||7w||an||d\||:c||E||jd||c'||p||:<||[||VT||)#`tD\*||f||v||!v^||\$||<||  
,||^\*)||.||z-||u1||E||-||P||4||{||\$||{||K||  
||/||ka||<||N||L||6-||\||XmXg||ζ||x||[||\*||R||E||)6||'a||(|b|=|| | | | | |
||z||3~||b||?||U'||\$||p||P||o||  
||3||Q||Z||&||'1||S||R(\*||F+||D||?v||  
||f||7oZ||-||;||zj||5||}||7?z||w`z||b||~||o\_z||Y||:||Q||1||<,s||Kr||N0(||A2X||  
||J||~||%||xU||)||:LN||y||a#||4||Pm||j||K||b'fra||~2||F||@B8X||1||bp||  
||n||>D||!0@||P||6||+||S9||@e||U||m||YAl||(||D||Y||e||>||2||;||  
||w||,||;||x||O||1||1nPW||xLa||d||ú||d||E||5wN||=||/||K||g||9||E#||z||  
||o||T||Nk||{B||6||Tp||2||#k(||sJ||d||IL||RTD||#||N||o||;||>0<||#E||3||S||  
[A||+||z||,||!||F||G||\_||d||.||"||jPM  
.T||<2Ö||U'||hfQ||E||ij||Q||t||#||y||0||Q||HyYAx||Q||8||Kd||^||#||%||  
}||H||9||K||s||5||KS||B||sZ||d"||q||^||O||  
0||@||=f||@w||S||A||pd||0u||r||Cl||0||z||1||f||L`||K||\_||Q||  
o||G||Nm||H?||zZ||Q||~||UY||P||O||(||P||!;<||G'||2||?Z||O||G||q||i||  
b||q||||l||v||Q&||cQ||v||;||Kcg&||d6|||||g||HmU7||@Q||\_||2\$||Gu||Q||{||k0~||s(||s||  
||x||G||9||)#||t||^<0||;||Ë||a||\_||F||@||m||5kw||v||H||;  
||P||z||r||w||(|u||x||<||h||\$0||s||j||6||8||!||;||N||3F||>||n||/||V||Z-LV||  
||G||S+||a||P||l||k||c||l||es:||p||dJV||DC||A||#p||F||~||t||y||  
-||Y||o||=H||z||2C||^||RD||j||  
||-oQ||{||N||[||2||;||@2||QV||v||[||K||-  
||z||>?||\||e||h||i||,||XZ||HXc0||>||vo||j|||v||f||{||Y||2||f||"||^||i|| | | | | |
||o#||2||"||\$||p||H||T||H||\||U||[||K||VW||Z||"||)k||8=@||&||'||b||\_||{||Y||U||  
||j||G||@c||l||^o||hh||a||,OY||f||  
g||b||)||#e||\*||Vxv||"R||)N||D||qz||W||b||Jgt9||F^i3e||#||E||[[3||rQ||s|||i||-zv||=G||.s||  
||%||Wt||:||j||4||}B||4D&H||^hu||ZO||r||)||&||  
ND||q||.||d||L||9||y2C`||V||"k||e||5||<#||L||8||]||=||r||k||\||'H||Za||4||  
T||  
||s||PhnmA||`SS||Q||U|||#NoKL||Dj||\||j||(||)9||)t||!||y||A||R||>||n||S||  
h||-||!||d||&aj||k||}||t||y||}||j||k||;||  
>||{||m||\_||s||k5||0||x||Z||cl&||^||"ud||)V||;UpT||YE||~||2\$||'||.||R||7||{||  
||H||||[k||[||.|||\*||;px||ty||x||Oy||=k||k||i||KQ<||w||nb||u/s||1w||x|| | | | | | | | | | | | | |
||^||v||(X|||K)||1||G||h||R||k||%||V||Z||ha4||N||k||k||7||6||5||k||7T||/||ij||^||  
||2'g||U||K||N||G||F5||H||6G||c||7||hH"||U||d||\_||L||m"||W||h||;v||Dp||t||"a||L||\$||W||\$||  
||Fp"||kA"||Ag||q||>||;||;||#||b||1||q6N||ES||@||D||L||<||a||s||<||P||k||<||SPE||G||  
  
RN||s||P||K||Xmc-||D||"||q||n||r||C||O||cT#E||3||1`||y||N||F"||G||&||-||;||NJ7@||  
||(||`||v||`||B||\$||ZP||jmB||%P||J||K@|||Fj||%p|||3||?n~b|| | | | | | | | | | | | | | | | | | |
||x||^o||.||{||r||xhX||#4~||V||cf?||9||\_4F||h||3t||j||k||M||NB||4||jB||s|||W||Q||5||c||  
||-||%||@||[||^||<||L||<:||\$||i||!||7r||T||80||np||j||j||"\*||v||{||R||x||  
||{||h||y||L||/||BC||G||-||[||n||Y||\_||pX||)j||j||øB||b||Og||'||/||\_||JP||[||z-||e||  
SO||}Y||/||z||6||\D||\$||O4vL||?|||?||=Ryd||CJ||e||2x||.||x||&b||F||A||O||M||  
M||!||ia||ndn||w||[||T||±||&||zi||J||  
||>21gA8||H||4||U||#||U||\*||<||\_||+||\*||"||D||B||%F||Fd||=||L||%||q||;||]||~||[||&||\||  
?||71||P||IC||pb||(O||i||A||\*yF||2h0||3||H||8||S||q||IS||p||3||v||2||h||E||#||M8||Q|||  
||U||o||z||,|||+||x:o'?||(fx||Q||;||%m||2||F||J||"||B||Z||J||0F||\*||h19||j||Y||:||1||%Cm||  
x||'||.||k9||y||Y||+||Q||j||!||2||9z||@||(W|||j||e||\||+||r||B||.||bu||M^||[||k||A||\*||V||Bk||  
A||/||>||J||i||4||.W&6H"||@`||2||H||e||<||O||6||<||O||C||(||9||"R||H||t|||b||  
||<||<;||`Qi||e||  
||En^||-||-||\*||\$||=||EFSy||%||Y||[||Gj||T||q8||&||suR||N||!||%||J||-||]||20||  
x9||

```

W8!k8!(V*fH!l!Q(Sh)U!D:V%A%N>g I!??B
G/M<'6(xX<9_ B4J& DB$<s=mv
PtE\~| ?Bs,pzbQx]b)EX4|T\y.
}AUbYii^Y'<XN=oE2#KA"_pB~>.YVHDBJRJV)/#al
-8H. |T'\j"Djyyf|TM+ @+R1t_P)%BæD;4nbg;#
5vz-koj7z{O W_gpW{z8%wYr`P_vfh\v
v|.
?];|{NW r kNkk
uVÿ y).q3 b,J5L84W u][H||&J_g"d52Ihg(w/pM
_t d u][k3WI)m. { }AK'I\VqFztj1OI L"._-
` :~ / >} x| { l eV48 ife E2f * Q=W WC N20d g
OO
Js tTy | P X x=i\Q n U a ] [ O o ] ] N ` bObs O w ; ; + ] = v _ x3
+ ee { # ! W 6i = / R QS + 5 [ < A 0 t . Z Z -
CG K v { C } } p { . 0 " 2 s ( D t % i * ( |
9 p , ^ x E Zi MJ f c O ! 8 Gf4 G W z ) f oy
/K \ / h O j 7 - _ J ) * s _ W t K / br | y ) t X / [
y | & D % w ; ; Z [ 7 c = j X X a 5 V - B _ f o oom hnlij hi
J P Z K f $ z N ( d _ ] t (# ^ S hm Δ j n 3c X w R ( ( W Y b *) a n
?5d T H - p . 4le o=U n K7
Ea 7 b yCa R 4Z V K q < ; v'9 | " 7
(7 [ oaOc/a? ~ m 4o m ~ w ~ = { } y u w # | g / k n S8 > oEf EO8
Oo S 6
ei? M H G & F , 9 2 N e | 5UR
f RM w 5 2iuA A 3 g 9 O u0An [q X 5 $ h $ 3J T h kTV j U'T ) 8R
Y 3 k ] < ma uVa X t Ug k Z y M i ' b D K B k 8?
* ( Z g 4 C & ls 0:d 4 w M3:d D ; T " [ Y R QZ y t
( A22imV ; & 9 5 + ] 3 @ 0JW 4 AV _ rqJ 0 X R # + ( B %
>
( B CGB | 3# ; Y 5 = j ) $ % # 7 o = 1 q A " = , j D P ) v m
j faG $ A
Zr E g k / 2 , { V
f r / h , - } Yi x Y - o z @ n - @ a T u 08 Ai7 () 5 | R4Rk z 1m O / G1
'
) ` r5
' 2 V m 4 h8 E & Fo H S P6 HL TW # T0 j 5/e / 2 8d 6
( 8 n J h 2 s } ` D @ 3e ii N ~ T 8
a < ' a z L ( 1 > u8 v 1 Jh ' " LM a A [ a k % @ j x < " 4h 5 EYe
. ekp4 2 0 & "
AA @ ' X
{ (> Rm x ? K > / p ^ / o 7 3 5 | n O7 ] | ^ 7 ; z 5 ] ` 6 nl
Cu 3 Q # < i P W < ^ = Q ] k h + 4 0
F q ; 9 l
M > Z Z t } ^ v f t t ~ ~ ; 3zK / s _ 0 / w { K g ` # R w 6 3 a , o
y [ . G UUW ;
y , 8v a " v 8v m i k 7 & n W i M j y 3
\ v b " 49 Kr r
. ! @ 1 | AhX 24 < ^ / m j E n # 9 8 ` c | J S ! 3 2 f s $
? 1 z 6 / ] 5 a Asu YS
q , a U2 ji ! Y 3 M oi r h F / ~ - s n u8 - 6 tz N || Dw ] = q . 0 ` 8 G5
[ c = H F PX ! N p NS ` v E cc E ! 7 Y ~ r S O X X0 H X ; 8
, : ; : ` V , ( > X ~ a / ~ \ = ò . 9 o i N
m AI z At l G ~ y Z + { W & > x . } A ( k C ' , o ω { < j 50 Q I K ^ < |
P } ~ Z % 1 ~ ( s W N & 9 ' s } ' 5 x O ? $ ( H D Wa 3 L
$ h IY g _ gd zy 1 m + 3 { o l 6 U ) M . z P / ' x R ) 3 [ ~ , Y 9 W , ] f u t
q O 0 | ; 2 i T RN L 8 zp t P E { M . " Q A a b 8 y - _ O ; (
endstream endobj 1636 0 obj <
> stream
x U 0 ^ . EH . e U ( 8 ) R E x DM s yf 6 | / z ` { vu S R

```



dRDbV\$e~  
>stream  
x{.H,YiyC]5q d,5dk@|f'2  
xExO'{'Oo}J4q YFCih?D'^.rfy]4Mp  
2tN33g,{<3ef)3C ηL9!S!iAV,Yl6sMas tC  
%N N d h k;M KV W,YL&J - -PaZOh[  
]nj7Y7s ohkn k\_8GWw w HxU^!er9C O=0\$;;m9=n\_  
^`H us Ny K9 F g} C : K 9i w &!bjK 2  
7nuj=}=F0 d 0#^% !A! t f Q090g 'k R t i0 : s 0O  
a| 29g |w \_ H k )ht= ' > V | |g| < rO  
RCI5 n < m s x F\* J i c H% %s + / ψ T o  
0: l q s >; d w 2B j c - u Lhg W g 5U j %w z }Whe }  
!O & p b~  
| L  
G|\$??aO6r{Rlj - s S .%' '! p .r AO (Z! /  
]Fo } g K: Q O j k Q | <, YF i\$ k H+ D ^ ^ y r 7 N P  
7 8  
J C] | M 2 s 1 & M u A % ! g 9 f % P += : s  
f 7: 1 j P } e e Y ES? p ? q N r N [ 6 # U 2 n w & F % . k  
: L V W  
? . y ? M t m z 9 p % K à v p n \$ 5 ^ ] ^ { y MA 9 C i 2 > ' n z  
G = L { ~ s r C T v < x ` q T t w N θ ^ q + ! i P M 6 L r  
J w : z } ; > ^ \ > J / ) h l o / 7 1 ^ F \_ R 2 w C ~ ] / ^ \* } M R  
j < " }  
L K x Z k = < = ^ 2 ( ) + m ^ + T x " p A ^ r ? ~ ? 8 R X 3 o G - ^  
+ H f ) W k R x [ 6 u y u ` B F ) [ V A f 9 ) r h P 4 Q @ \* + / - m 3 +  
R s 5 ^ J M ' Z m r u 7 G v v t v SR v % q j } i ~ { | } { |  
[ g | w G o 5 ( T v n N N : ' ; i H N  
? c c 7 1 ~ 3 . 5 , X c b W W q v 7 o t i S s 5 o \ o t a i 0 o l 6 W i 6 o r B  
 \ ' 3 ? &  
L + \$ g  
0 G . N N b + l ) W | ~ 0 0 N V X y X a o 9 S + u y \_ a y E ? v A Y y U  
] Y 3 # -  
y + l 0 \ ) \ c g 3 s v : &  
U ( 8 " # F 0  
2 K 0 l B ! 2 V I \$ # S  
. <   
p D ) R x 0 l . <   
p 9 l R y Q { < \* % 0 Q y Q = J 2 ° o S h G U a 0 [ \$ Q U a # t G U !  
 ^ \$ # 7 d \ } L ; o ! ~ q l C z z \ Y f ! 2 R \$ ;  
 0 3 L { P c H r { # D V A 8 r \ { { T B q J { { v G E a w & P  
 N z \$ f m , , X : b m H V A u \$ + z 1 p + ~ ; k ~ . b W ð ; b W C @  
 u " x [ c \$ b @ O n x : f x / ^ x % \* r l , \ H 5  
 & y c < ( u l 1 y Q B < V V h G ; k  
 ( y r Y E X ) + 3 U \_ V h h # \* ) R V 1 X A + p n S z B T  
 1 f c S + MS ) | V R ~ 4 Q - [ 9 h J ; f r T w 6 n 8 0 h J ; f r | w v p w  
 1 T c J 1 N c 1 c + 4 b  
 1 f c < M % y : d = Y u B < X 3 u B < X S u B < X s u B < X u B = X ] z ±  
 Z E c J \* h & U - M ( ' B V a b z " d , H ( ' B V a Z z " d t J U " N ( ' B V a @ 8  
 U p Y z " d [ X D \* P 0 E P d O D 2 " b & 0 K P j O  
 D \* h T ' 0 S P r O B t ? \_ ~ B = a  
 { v Q { j B p O P ~ O B P O / | v \ " | 2 | B |  
 A ( ' @ @ ( ' , \ d ( ' C 8 ] B a < \_ 2 ' ~ e @ Z K ( ' x f \$ 4 = }  
 n { q q z [ \ t | @ 7 W : g = c O } Z r \* j u v N ? ! " k s 9 # Q !  
 | m t } E Q ^ q , o . h > y H g K z ^ \_ s I A v \ 6  
 y . m % V \* = i Z ^ j Q g C c  
 M L 6 + 4 % 5 | : ~ B J g g o b b T k g 7 r - m 2 S S R  
 o d / \* 0 B 4 \* 6 ! ; X > 7 c { &  
 x - h U \$ 8 f K 8 s s m [ J o T O a k O y 2 ) l Y j - 3 P U / H > R

```

0a|s14:{$Kv}
Z{W}q||]yc_7S\69U;NpJu|G}NM$!Ve6Vq5Z;J
n-/?Y2_qQ3f)~7|1_Z*yVf#c
A#&<6%x9ghQ(~~FM7w:o&1-'C.kxhM
endstreamendobj1638 0 obj<
>stream
x|xTE[%%cY%3D @EoE0,dDD&qF68:.0  ,3
uCY3?5j;U NUZ:"i rGhG\Zw"ciS|k[o--Y0h;o
>e,u,e{D8e-@|pDc3-{9?nA2XLLPd}-v
ad`p:|e||5f0 hn
"rLtm7s|k&~Svj\|f9 |=Y(K*:Ku5
P/Ba, >Gk(hA|S1N O/RV, V>|pVd|/dQ
k.mNf|g54|uKBU;{X)MiGÖ67J{']LQR~e
(ii
a-p4gn|d|fM|t77
w|p=#|-n+|w|y(|a!R4_KvG*n8p\|L
X E8/|'||k|GfZ9||!k}|qHwF|l8vrr?y_'?M|c6
y~|`|r|c~f.}|<m/|~c;R}|~g2>^|=6a|yVj|wQF9"H
M|X3U||?~+~J E%|_x|v|/L?j|64|f#v[|e|q|K|H
Z5z|w-9Z|/|,|Fqz|z|=0{|w|!|P|i|q5[|~|`|"gc$
#
B9V|o|$z<|r|ex3|f2|/|#H|K|%|w|_@|%%
&|_|J|T|/(|;A7j|/|x|t|o|F|f||4(r{|:|e|
k|U|S|)4|L|.2$|v~u||[|e3|)3c9|,|C|{1|]ao|
k'2|YI|Δ*9B%|X|~|q|A|i|"|+|G|~|tS|o|$SW<57G
&|dO|0|=|Z|#|V|,2(| *|{1|'F|b6|F|q|k|cL12v|2^|E|R|}
|Y|*|L|L|"k|Y|@|m|\5|y|F|Z*|W6|'K|M{|,|d|3>11?%9|4*@|l=
G|Dd|{;s8|M|H|!#U|{|zR|j|w|V|-|S|M|$O|O*|@|9
`@|-|w|$f%|QTf|x|-|~|uy|W!|P|Q|pE|^|n'|p|G|z|z
|=3|j|3z|.M|-^|vH|R|h;|;|m|4|2|V}|Zi|T|Hh|n|W|!
S_|o|/ë-|w|i|h|K|Y|^'|..2|<f|f|2Q|
$[|pd|#|rd|#G|?8|?8|K|?8|K|4p|#|i|#|i|H|G|H|G|8
F`DJ|)u|D
F`DJ|#aD?WG|È~|#Ba#}|!|q||-|j|}|q|mR|u(|kQP|a
OP|A|q&a|pH|
yP|FsTC<mE|Q0-h|z|k|z|Jb|n||c|$XF<W|W+J|L%|ZD2|s8|{2|R|(|
(|d|n|E|π'|.||@Z%q|!|s|5|W|`@|U|@|4|(|6a|.||O(|J|5
v|K;||^|x|'Zu|z{|W|Kox|B|Y|A|wtC[6J|Q|a|f|0|.||k|R|C|
+|a(|Z|T|m|@|u|\||F|q|J|#|S:|#|vu70|b|=4X|.||n|*|0|J|~|
D|`+|^|MK|O%|q|<|y|Lk|!|%|?|G|G7f|=
V|K|+|*|a|Z<|/|+|(|O|_9-w=w|S|i|v|s:|x|B|o|_6|&|?|S(|
m#|~|v|C|}|v|BO|q||l|t|%|x2|h#w|;R|7|?|3|p|Z|
f|`D|#`|h!|y:|C|\
V|m|M|W!|f|a|vV|
B|s|E|
h|f|Ch|j|A|.f|Q74JP3|&*3-D|c|{
c|!3|hx|S.|K|^|(|\|=|(|R|E|j|EpF#|l|R|x.C|$p|Z|!|"9
b|]|.C|i|db|c|{|y|@^kb|y|d|O|)P|N|h:|ufn|@|J:|@|r%|
9z0|zf|g|fv|Q2|(QTJ|+||d|Q|f|fF|Qi|O|.S|12z|1B|B|@|
3|=l|^h|v|Kk|o|ml|EV7|?7|eC|r|E|le|>7|T|]|T|w|~:|
c|)|C?|u|(|sC|/M`|$G|dB|J|*#|9|:2|@|#|#|R|K5K|Y|
S|b|L|
$4-Q| |r|3c|y|$U|.A)t|D|$&|+|7|q`|>||D|pkab>|F,|:|y^W|Y|=
|IU|-|}|X|B|H:<|-|e|J|
%6|R1VJ|~|z|W|39V7ir|~|ol|Pw|j|u|3|U|5|4v|2x|'O|&O|f|zt|T';|Q
*|1^|!M.|+|1|Fg^_V|R|h|%|"|J|g|k|k|4|&|8*|,|=|_q|",
Xb|:|t|1|'\e|K6|Jg4|@|k|0?E|H|
t|b|Z|2|l|4|<|E|9|n|G|<z-|0|aE|c0|n|N|#M|u|=3|*|jeQ|w|\
5H|=ZK|IQKkY|o|i|4|x|*|9c:|t|d|.|>

```

■/■<■+■~■( \■^■'■B■yHl<pC■"■{l■\■0k■A■pQC)■v■%■Q)b■1■  
s■h■eH{■!■UT■"■Pk■Z■a~u■.MC■AR■\$■:h6■0X■&■|■MF■;■  
■3^\*■t■'sG■|v■^■S■N■n■+z%■\*■@■^■5■6■m■A■|■&■0■|■i■mB■6■  
■m■-■R■jF■o\*■Z■(l■o\_■j■[Ee■S65z■9■>■h■-9■|=■  
4■\*■-■6■q■h.■x%■B■1%■a■0K■Y■m■~■Šd■!!■w■"8■g■/■>■  
■R■q■<■\_■<■M■B■,3■>■k0■K■{h\*■.■?■o\*■)■Y~■T■  
■CF■^■d■=XZ■T■Ui■ZH■!■^w■ k■7■O■D■9■X■3■H>■'■Z■  
:■,■{■-iz■.■U■5■^■J■B■!■8■Hk■j■"■1>■b■=1■L■n■C■B■lfL■?,■Am<■  
■:■i■%■#■n■N■N■,  
v■!■5■^■dJ■\■!■h■  
\*■E■+■^■&■c■?■<3■M■n■#■^■z■.■y■6 AJv■B■R  
■Q■(■m@r"■d■5■U/U1■dS■Q+■N■cVl■:■jUG■H■e■Z■x■T(■DK\*  
■uN■^■L■[D■0■/■2■(■v`■q!òJ■6■z/■y■V■v8<■E■tBl)■`■g■~■n■J@[P(d  
■m■u■J■\$■Q■D■|■U■R,■\*GP■Rd■BK■X■6:■:■k}■(■)}■5■s■t■3■/■  
■&■e■SM■E"■k:■\$■~B■u■`A■e■  
■tA■ w■`T■"■1M■V■ (■JX■4■)■R■Q■B■KA■8■4■2f■  
■|■\$■is-■;G■J■w■X<2wt■.■7■'s'p■^■Q■|■s■z\_Z■W■c■y■  
■4'■l6WD■4t  
■A■v■k■t■^■%■v■|■y■`■z%■Sg■>■1■0■|■S■DF0x■V\$■  
Q■8■GV■C■w7■S■1■i)■S■.■]6■t■-■S■t■v■@sB■|+■d■#■O■[■q■s■=■  
■o■=■P■{■3■V0■V■y5■Y^■b■TU■y+k!Y■s■JS■g■y■i■u■!■/■B■i■^■  
x■a■>Y■@■d)T■/■A■d8h0  
V■(■,va■B■<■!■g■7■O■^■^G■J■t■J■.■P■rD■(■:■4■B■C■F■J8  
<=X(■L^1■7■u■#■=²■S■6■0■3~■i■P■RjP■#%■pw8q■z■%&\$t.■<■\_■  
F■+5■v~■Jl■kh■0■\■)U■%TN■H@■`■&■i■QS■c■rh\_■X■<■|SbNc■u■nsf>■nL■[6~■-■  
■^■.■3=■i■\_cSk■BuSdv■}A■:■w■=■=:7A■`■(■h■8■R■R■n/M■;■N  
■'S'■t■@■,■C■!■J■#■ MDJL■9&Tp■\■Er■W■9■s■-■V■  
f)■t■Lt■?■/■Jl■\*■Q■)■o■=■'■;P5■&■v■gG■q■v■Z■N■u■;Z■\*■  
m  
■b^■\*u■a■m■x■?■Hc■Z/■W■}■j}■,■L■a■Q+■'■s■`■bcW■@■v  
■@■J■X/SW&■.■m■|U,■\*■\_■g■7■z■{n?3Z■%■i■\■7■c:■"AU|■%■V■[■~+■  
s■xEv■\$■i■m■9■}■(v■""■t■3g■v■Rk■i■[■]■N■F■F+xf■:■Y■vw■tL■  
{wCKQ■>■v■sH■F■l■m■2■&M■'■N■l■.■|■w■W■2■h)■W■]■r■!■[u■##■f■  
■  
<■@■/■B■T>■;?Z?■+>■B■RM■4■gx■i~■z■}"■~#■\*■!!W+e(+■)  
■y■\$2N■@■Y■>■f■i■k■-■X■b■,Y■Q■6%■O■z■=■R#d=■]■`■E■x  
fe■4■e■>■3)■+e■(■S■(H■gW■1■d■N<6■ZJ■DWRGW■yp2|,S■s■x`■.■o■au  
V■hu0■UH■j-■q■a=h■F■VK■/■S)■%f■"■  
■Q■F■}■q2■O■\*■Y■fW■g■r■2■E7|s■|■F■FN■|■7■~■C■U■B■L■Z1  
■R}■g■7Y.gd■,■',■+■#b  
■:■}SN■F■}\*■c■W9■y■,■)}{■S ■o>~■\$■3~54■bh■@n■  
)■V■+■A■T■C■0)■\*■+■yFl■^V■z■\_■/■8■\_■Os1}■Oq■h■'3e■t  
w■w■#5Md {■h^■[14■Q■,■2x■S■h!^■#■U■{■"■Kj■v■T■V■m■db■b■  
■\■M,■=■(■G■>1:■)■G■h#■4■r■uu"■jkE|■^z■.54V  
■c■,v■u■:pr■v■kr■ZrCo\■5y■AxS■M■o■,■v■9  
&■^■Vh4■v■0`■r&■Z■+,■cz■P■k=■z■/■J■N.■-■h■;bE0■P■Z■A  
■!■M■J■/■-■Jw■?■Q■-l30J■[■0.■!'■-4m'■X■DI■2■V■y=■S■g■,■`■m9■]S)H■f■f■bu  
■T)■5■Y■/■\*■p■]■+■LZ■,■M■\_■/■+■KLck■7' T■,■i■;■i  
■/■5■Y■)δ■d6v■Q■  
/■#■\$■2■\*■C■2Z■j■Zc■h■\$■J■w■-■#■z■+■-  
■U(■(■#■'■5^■#■Cw■=■t■M■K\$Z■LctH■"■VJDQ■UJ■D\■\_■  
■U■Q■d■-j■|R■'■B■jφ■2■V■Z■`■K■J■\$■,)1■%&ke■N!+■Ti\*Za■\■T■\*■R  
&1B■B3 ■5■f■q&■2■xo■z■Zo■5■\$■h%■@'■n■|&Eo■0■@■3■e■t■(■[■  
■e■Z■7■r■nmY■u■v■v■n■ldV■k■  
■:■J>WE■y■@■H■Ja■W ■X■B■\*H■r■j■.UXy:9yp■;■e■Z■<■L■W+■n■R  
■y■AeP■tJ■Z&7■D■Om■6m■2■;■\_■-■r■9J(■FQ■b■fG■7s■KN■41K|■<■M■`■U■C  
J■e■S■w■=■o■<■4■3■c■|■#■u■R■6A'■X■^WAQBaO■d■N■H■Y■0  
■WDV■t■J/■mh■y■S?a■Q■];■T■\_■>■%fC■r■\*■2■]b■\$■R■3■6■f■o  
■G{x■>■d■y■1pFL@U■4■G~x■ e8■r■z<ld■

■@U■q#■■■■■■■Q]QF■K■■■hx■■■tfX■■■■■■■■■Q■■■G■■■■■■■■■}imoS■■■S8E  
\*■■■^f■■■■■/jr7/■■■\$■■■F■■■g[Xx■■■■■■■■■\_dY■■■v■■■m■■■■■■■■■j■t-O■■■■■■■■■■8■■■m■■■k■■■~■■■■■■■■■\Y■■■  
E■[■.R■i■q■■■■■+■PKk■■■u■■■■■=■■■■■z■V■O4~■■■■■■■■■#7Dl■v■■■■■6■■■:■■■■■Dc#■■■)■■■r■■■J■■■GD■■■w|■■■  
"■■■1■■■■■=l■■■■■pj■■■X\$M  
■R■■■■■■■.N■■■■■N■P■■■=■IB■■■s■■■F■■■&K■■■"■■■■■M■■■■■\$■■■Af{■■ko■■■E0■■■  
■■■■■%■■■vL■■■M@■■■r■■■7■■■]■■■■■u■■■;\■■■■■■■■■}■■■■■{S■6■■■\$■■■4■■■L■q■■■^@■■■\_lo■■■■■■■■■■v■■■■■■■■■  
■■■■■]■■■■■B■■■■■&■N~a■0■■■`■■■v■■■■■[■6^|8■f■■■■■6■■■■■!■■■i|;■pS  
■■■5■■■%:■■k■\*■R■■■-■■■q■F■■■D■■■■~■■■z■t■T■■■IU■■■2■@Y■■■]■■■■■■■■■ζz■■■-■■+n■■wW■■■\$■H(n■■■d"y■0■■■  
■■■c4uMx■■■■■U■■■r■■■R■■■z^■■■5■i=■■■■■o■K■u■■■l■■■rC■  
■■■r■■■~■■■slrry■■■Q■■■i■■■P■e■■■\_■■■9■■■■■■■■■■7■2■■■■■+■■■L■|■■■■■<:■o5N■■■6■Kr■■■'K■■■|■■■■0L■4%■■■P■■■  
■■■O■■■■■~■■■■■9■■■■■■■■■■x■x}■■■?■\■■■■■j■■■?■g■■■6!■■■JD■"x|■■■■■|■■■n■■■H■<■■■8■■■^■■■■■  
■■■e■3■■■|■■■\_■■■j■■■~■■■K{■■■u■■■■■■■■■■j■■■■■■■■■p■q■■■■■■■■■3■■■o■■■■■■■■■:a■■■■■■■■■6■■■p■■■'y■■■■■  
h■■■g■\_■■■s■B;t■■■"■XE■■■7■x■■■■■KC■■■h■■■!■■■u7■■■■■g■■■LA&■■■8■■■#■■■b]■D'■O■■■T■■■X-#C'■JJ■  
■■■`■Sl■■■(.Y■■■0>■2■qVK■6■■■■■}K■<■\*■CoW■■■(■■■LbU■9[■s■■■7■■■^;■yyny■y5■■■O■■■2■Z■L■■■C■■■  
■■■■■h■■■■-tm■■■m■■■■■■■■■■t■■■~Cl=tE■■■L■1■{q■d■■■■■■■■■B?■■■N■■■.H■■■~■■b■■■!8  
■■■>■|■■■■■■■■■■a9■■■:B■■■.h■■■■■■■■■zc■■■,3■■■0■■■3■■■0■■■e■■++S■■■g+{■■■■o■■■E■■■■>■  
YX■■■2s■a■■■"r■■■\*d■■■\$■■■■■■■■h■■■■■■■■2■■■M2N■j■3■4■■■?■■■■■■■■■&■■■DS■x1/{c3■■■■1■■■4■■■■1■■■tj■■■  
■■■■■■■■■|K■■■#■■■=■@■■■■■■■■■wM■v■■■■■■■■■X■■■■■■■■■=ah%4■■■A■PF■■■■■=■■18■■■■■Ø■■■p■■■  
H■9EY■■■\$Sq■■■DV■#■■■`d?■■■f■■■■■■■■-■■■/9■p■■■6■■■(+sXJFAK^J■■■"■■■■■■■■■■s)■■■\$■s■A■■■<■■■  
■■■k■■■:■■■■■■■■■■EU%■|■■■■■■■■■■-■■■-hq■|/■w&■■■(■cV■■■■■■■■NL■>■■■c■@AU■■■\*S■■■B■■■N6■■■  
G■■■L=)■y:■■■\D■M■■■D■■■"■t■■■}■t■9■■■Y%■■■■■Xiz■■■L■■■E■Oon■X■■■Q■#■■■■■+■■■■■■■■■wq■C{■lo■■■  
5S'gE■■■|■8|■■■|■}J■K■■■i■/■\_■■■■■■■■v■■■■■■■■■Q■■■z■■■■■■■■■^■■■m  
`■■■■■\$■■■]■■■9■■■cl■■■g■V■5■■■)■■■t■■■'■■■■A■■■Y■■■{■j■■■D■■■■■■x■i\$■B■|■■■■■!■■■■■■~■■-q"■■■)O■■■  
■AW■■■Ng■8(■■to■■■m■■■)■n■g■■■d■n(■■■i■■■H■■■n[Z■■■F■HY■E6)■■■(■■■@■\$■■■Y'9WG)Y%'Y)Y■■■■■■■<J■EQ■  
P■■■■■(■q■■■■■■■■■■  
■■■■■■■■4■■■;■■■6■■■`■■■w■■■■A■T■■■/-■■■■■■■■<■]■■■i■■■UN■Yt■■■6■■■[■■■L■■■■■■■■■(5■#Y■q■nE/k■■■  
■■■■■■■■N<l■■■f■G■■■n■■■`■■■nYZ■%\_■■■`Z)8(■■.■■■)■■■■c■\_■^hiK■■■i■6■■■f?■■■■/■■■■Amu4\_-■■■,■■■+PU■■■  
l■■■l"0■■■-■0GV■■■-■■■■  
■~■Na■■■E■/■,H■■■■■BHhD■■■■■■■■■XI0■■■M■■■i■Ñ■■■]O7Og■■■W>■■■■■■g@■(■■■■@■■■A■■■d■■■J■■■2e■■■  
&@k■■■■VM■■■Yn)O■■■2■Q■■■■■■DG■mn■■■■■  
P■■■■■\*es■■■w~/"■■■H■■■■q(■■■g■■■rul■onF(■■■■■■■■■&■■■%■■■@d■67G■■■l■■■n■■■Y■■■&■■■■0■E■k■■■  
H■n■■■`■■■■■■■■t■■■■1j■■■;■■r■■■■y■■■■+t!■m■j■■■4■\$■■■\_VE■■■z■i~■■■a■■■■■■J■■■~■■■■q■■■■  
■■■■■■■■■■~02E■7fJ■■■w■■■=■■■mq#■■■■■■■■■■\_■>■■■%E-)X■IJ■■■{■J■K■■■9S■■■0■!s■■■C■■■  
■Cv■■■■■■`■■7■]k\$■e[■■0■■■lPo■■■■E■x■■■m■■■`■■■M■■■a■■■xh■■■■■■@■@■■■[■■~)■■■37■■■B&■o■■■  
endstream■endobj■1639 0 obj■<</Filter/FlateDecode/Length 548>>stream■  
x■■T■■0■■■■>■■F<■■■"■■■■■■>■■■=■r■d■&■■■9■■■ty■\$■e"%N■■■i7■■■MS■■■■V■■■P7U■■■■/5■■■c■8A■■■  
endstream■endobj■1640 0 obj■<</Filter/FlateDecode/Length 18112/Length1 63852>>stream■  
x■■|■x■■nUw■fF■e■E■■■■■■■■■■Y■■■ck■■■■■IK■■■X■%■■■■■■M■■■■D■■■B■■■■■■■■A6\$8■p/■■■■■■■■■■  
■■■`■■■>p■■■■■■■■■+■ph■u■■■j■S■■■\■■■■■  
■■■\$d■■■u■■■L■5■u■■■■-■■ghM[■{■■■gJ■■■R#■■■■d■■■"■■■g■■■j■■■?6|■■■lo■W■■■hOni■■■■■■G■■■@mf■■■+■■■  
f■■`■■■2■9■■■3■■■e.■■■#■■■]U■)■B■■■■i■■■■L■■■il■■■■A■WW■Z■u<A■■■Mf■5■v|■W■■■y-■■■■L■\_C■■■  
@r%XX■■■'■■■■U8<■■■■V@■V■■■■■■■■t[■■■■p■■■!■■■Y■1&4■■■q■■■W■\#■■■■Y)■■■z■■■B■■■!■■■B■■■!■■■B■■■  
■■■■P■■■G■■■@:■O■\*■y■d|■■■■?E■■■>Y^~■■■8■■■yl■■■4■■■■■■@■■■B■■■H■■■■4■@■■■■hS■■■■■■  
■■■■b■■■■■■■■\$■R■■■}■w■■■XN■■■■{n■■■@]■■■■[wvU■■■4G■■■■■■i■■■■■■/■■■■{■■■■■■%■F■■■  
r■■,■■■■/■■■■4■■■E■■■  
(■■i■F■■■v■■■;■■■j^■■■j■W■(■■■■■■6■3■■■■%■u)^pi■■■Sg\_■■■■W!■:■■■P\_■■■y0■■■■\*■■■J■Z■■■■~  
>J^&■■■&?)"Ti'■■■k=■■■L■K■■■y■■■1■■■6&■■■F"■■■BN■■■u■L■■■.k■qz;■j■0■■■K■^B■■■■1■■■  
■■■q■■■L■■h+■.■■■|■■■K■%■■■■■■0■|■■■#■■■{■■h?■gr■`■■■\_t?oX■■■u■Q■W■■■q■■■#■■■i■S■■■■■■5N■o■v■■■  
■on■a■g■■■■X  
■8■d■■■C■■■K■■■■gZ■■■■■■Vp■^f■■■(■■Y■■■■■■■■^■■■g■?Sq■ct■■■S■■■-■■■■H■■■|■■■%■q■8■■■■■■■■■■  
■■6oO■v■1■■■`■■■A■A■■■■k7\*<■<{,■■■■7■■■t■j■F|■■■|B■■■■■■Z■-■■P■■■■x■Jh■d■■■`■■■%■■■■j■■■  
~!■X■  
R■A■■■\W■■■@■■■\$e■■■■?■■)■■■+■■■=■■■:■■■  
■■■■■■~k/78■■■/■wC■■■■L,ow■■■=■tw■-■■■■MzSq■■■]■■■^■■■]■■■.C■■■N■■■Uh■■■d3■■■■dG#ce■■■z■■■  
■■■tk■■■/■n■TL■■■|■■■g?WKw■■■-■■■&[a6■■■=■■■■■■■■■■L■■■■q■■■RN■■■Fb■■■.C■4■h■■■s■■■%■■■■B■■■;  
}■t■■■=-■■■:■N■■■■■■■■■■■■■■■■M■■■l■■■t\_■n/Yn|P■■■■■■b■■■■■■'■■■+■■■■■■;■■■■O■^■■■)r■■■)■R■e■6■■■  
■■o■3■■■',z■■■■:D■■■N■■■■■■w■■■`  
■]■"W&i■■■!■M■■■r■Pf)■]Z■■■g■H■<%!t>■5  
■■■"■■[■j■■■D■NY■3■■■"■■■■N■\_■y■■■!;■P■■■■G'U)"■■■■■■[&■■■y■■■■■■^v"■■■D

#####J#####f#####T#####  
#####B#K#####WZ#0(##M#Ex#####["#\_###)j#####k#####?#b######\#####.#####IJ#r#####;u#####%#&#6#####4  
^  
#####=p#####j#1w  
\_G#####t#####2=P#####>Rp#####8#@#D#)J#M#[#X#####>#####m#####+###Q#S>#N###3###^q#####  
#h^~#R#####X^~#R#####x^~#X#####V0#####)JHX#####!\$###|X,###Ö#####%#C#####%#Ë#####&#C#@#####eW#####[g#2  
#####0#<#####801#L,###0#L#####7@a\#####<r#8#0#9,###0#9#A###/#C########c/#####=0###&;#####L###&;  
#####Cq#Cq#C#####!#P###P\#####a(##(##0#w0#W0#####JT0#####|###"do#=######!{%#.St#####JZ1#####  
k#+#V#####\#####O#####a#j#####f#####[#####!#kKa#####v5Br#BZ3#####(###.fH###R#k#]#####kK!#Y  
#####%YIK#####rY#####D#####0#####@`.I.#R#I#/#\$#m#  
#####n#%#m)#####d#,la[  
#m!#h#####)\*\$#m!#"R#I#I#Z#####2;##\$#m)#####\$#,li[#####b3,#####H#\$#m)#####d#-#m[  
#####a3,##mK!#-\$Oil###  
#####B6#####;#Cr#V(#z#@#I#X#####!#`###-#####E#####-#####%ioK#####Kl#T###IzX#####B.#Y#####\*###M#  
#n!#tK2#J#####Z#####DKb#####+#s/#qK!#-\$;nlz#####VW#I###-##%#IrKa#####Vn#I#Z!\$1kl#R###X#;###|###Q#Z#  
#####`#Ö\_#b#####k#[  
#nc#####Xnw#####[#X0#####5#7#x#####-9#####7###W###V\###vn-#xKa#/#!###el###RXx###I#\$#o)L|#M#J.#####9  
1#E.&0I#3#####"#L###L!#####&#y#####&#v#+#<v.#r#####D#####NN#####m)W###(r###v#+#|#####6#+###p  
#f#####^a#,q#####|###3#####|###3#####[###B#####Y###B#####B#####YT###/#!iy#####,{1T####w#  
###so#####°#####m#v#ed-K###VxwPFV#\$#mK}y#####0#####m#z#e###\$#n+#{,###H`K###V###X###  
#-#w[a#cQl#r\_P###C###dK###V###X###!###  
#####/######>###b[R#B###2#####>#BNMml###  
#####C#####C{#T#}#E###A###[#####[#####B#2##'####a#####B#26##a  
#####c#####7\_|#5z#|###}#Ea###a#####B#####\*#####e#!#x[###A###gl###  
!#####6L2#####2###\$%o#T#!#v(#5!#a###0IR#####v###C\*°\_]#####R#####0###\$#B\*###\_`#####Î#%3o#U#a###\$  
I#####g"#\_#d#m#####|#####D#B#2#\$#####Vg#hHR#vT#\*#####}#OE#r!#####U#####H  
"#8#\*#####0`\###s#####(Q###o#;#gv###T#####j#,jz#3=###>s#w#####7#0#7B#####{#+#g###^#####H###  
###\_3#yap#####oVr#####oVr#####}#####t###Hm###D!nE#j#####(\p#####%#####2#&###H###J8#'###3  
###|#####o#q>###z#}7#8#@#=#F#p#O#####y#HDm#Zh#A~^###4#c###Q>###zI#YN#####|####A>###m###d9#'###  
#7#####|#####|###M8#'###2#!###X#####V#A#L###{#+#####G#V#A"p###=#^#####"#####J#  
{###;###]###w#####"###U#{W#####ANgSA#####|PN#)####(#####vdX###S#####r#N!#G#U#I;#####  
8;###r#N#g#~wQ###)###\*#I,#####Br###9;###]#####sv  
8#  
9#L9g#####)###pv#rR#r#N#gW!y  
Uh#####e>Hmp#N#gWa;(s#N#gW!#####B.###S###U#%###sv  
M###  
###sv  
=###r#Nu,#####C#####J# #####T#####R###.#C#####)t# #R###)4# #R###7#{###t###s#u### ##+  
#####L#V###v`###8j#####k# #Y;###]3#).##),#/ g#(#####v`#####Y/I###1###S#####  
CNv3#####\*#9###8#g  
#0#M#ql###PaH#:#)###Fu###=SB#!#{#K#####~###=#\_#E#|?#####r#qx#`#W###b###3@#E#9###8#g#####g#  
#####e#####/K#.####|###1#####G###h+##  
:[###m###]###\$#####?###%#####V\_6;###)#####M#:#2###S###5###eR#h\*#####73#####L###H###W#T###t#####  
###?###k#Ks#g#n^###r#}#s>z>O#####{#####/####V###O###b#zdL#####}%###"###\_###W#T###|###u&o###o  
V###o'#h###9s#?#T#?#zb#####LEs#>[Cp#c#\#h#####u\###"#####i###3#####!UD###7#1#^#!###K#K"%  
I#####)q#U#}#####^#[#####s#####[s #Δ#####'Q#UE#8IHj(###7#####M###\*(#'#I|###Xw###=#####}#####|S###  
K#####.#>#####t0###|###^Y#####bf\$#r#3#q#s###L###|#####W#AN#+#K###]###=#5#####O###5#<#~@a<###O#####  
endstream#endobj#1 0 obj#<</Contents 2 0 R/CropBox[0 0 612 792]/Group<</CS/DeviceRGB/S/Transparency/Type/Group>>  
x###][#\$#~\_8#####w#####]#,###8#!###y0####;y#####?#####zZ~uK#;>#da###9S#####\*#J#RM#####}#S#####/\_#####  
\b#####ZG#####&#####T#d#####h#####g;#c#####-`#Z#'#####9#s#r#SYG###:#m9#####{#####1#  
#3#####p&# #p#y#####W###9#L#V#<#D5&#o#0#####t###Dq=#n#z#"### #R#####<###Jp###K#&###k#  
#####d###0#####UEv#  
#m#"#####L###KP###\* #~7###V#####/####F###\*#&#@A#&c#  
u#  
`###K#F###6#v###t#####N###T###to#\*#{#####[###3`#####q#!1/i#####s#eL#Z#  
#8Z###  
#####%(#r;  
#####E#j###5m#4t?8#I#f;#j#####vZ\$#####\###V#####>#r###,Q~#  
#####i#\_=#j#####cR#\#q\_>#T###k=#Aw#`#t###



██[██t██O█w█T██J?█~/█7█O█/█o███████x[████{██q████4████}]██████████uMh█GV█O██████████  
█%F3█7██████M█#6████8E'q+█.Q0███Y███████ █\█+]█\*V███&███q  
██████<!█4████K████.███H&███!F!███9█\█A!████b███n█Xk███s██████████i███MF██████)o█0██████i███(█7/,-h1"@"  
{████(g███"███A█=██████████rY:(█O███(j███K%█N█tZo!K>███6  
█w█E█W  
███H████f█'PYP█z\_█p███sY█6██████]████x██████j██████████Y████c█sxb6████N██████U\_█=█Q██████████████████  
C██████████████████p█deQ███g███c█7███████z1s███475███"█|██████|███y█0███\*███d█4█1"███O█/B5███F█R█P█  
███6█Lr███\$██████E("█I████K2█4mhB█&h███W█#█NE██████")███:X██████O██████B█z█V███ZQ███%<██████████████████  
█z███:█]█iV███Hm█DS███+U███r█qq█=L█B█\_██████████████████c███3█"/-█\*r██████████V█████!vMy███9█@███O███  
███.███^███a███!3'██████████]G███1███:█P██████E█g███{.X█o██████████S███O█^███j███████\_?████T\_A██████z██████  
-█j██████]███0███  
█P██████~"████W█v█3█M█:████v████3~████\$i███9█n?████~█=███-█-██████████████████\_███V:████U███&████yT████  
]8█u8█V███G!███!A██████!D=w███████Fc<█\_██████████sJ8███@██████@█^█+██████3"███████████/█^██████████"█T███]███t███  
█,███r.<2███am███{███e███>█f██████████n██████████n█-████ZQ>█4B███)██████\$v?&███?|██████E███0███:█0███d██████  
██████████████████R██████o██████}██████████████████C██████X?█5███████/H███████Çeo,g6███o,e6,███████████<█7███  
█c███j█j███████\███:███x█7██████a[███-█@██████████@███P███'███>9R[█ut█E#█2█=!En███i███[Z███,███e███!<█X███  
███&█S███"  
ZO███:████[0r███B█-█]J┘███n'█"wo9q█);███████'███ä███[███0n7^&███06█9+███████{████p27█a███P█=U███r█  
(█V███h██████B█!██████████P███B█#█A██████\_█k██████mm█8███jcBKGt███.hW.███n█k███n  
[███████████+██████████S█v█o██████!███\_███@████m█F███████.█&+-█\$███t█\$██████████z█2█-O████ZR███\_ze█P███  
███████\i█k██████O|█J█j███Rf+V&███:█^███████.:█1C:█3o4\*w███v{;█64S"███c███f=█RX███e███Z███████^███O███q██████  
B█x███<+█=D█████%@-███F{2█2█X███████Y███K;███?Z█wh███████)j)5\*P███8█6███████\*███amT███████z█████/E█q██████  
███  
S███p███\$x█8███[███r███████\*{████C██████K███████Uu3██████U█U█U███████████^█2███████████X███████E;█  
5███████████M██████cj@x███████G███XH█d███(███████#(███k███████████%T█Ni███a███████████sD<█~███████████-)1█D█  
█O███N3███O]███████uC███████[███Y█'███PpGW█Qp███w███#█V███████████{███%███████████>i███:█~███a███n!██████  
█6zt█\$p███T███Kn█i███&█T███c███████{█t██████u█Za██████(█'███<█y███?██████████████████gW█|█H███'███d.|█████/  
█\_H█~  
██████{f███t'fb███████████?J███-%███0███N██████V\*█j]MM█Z█5T███A███j3█e2?{█0█P███l'███)██████+1██████████a4█9A<e███y███  
[███z█z███████W█\$█R█E███C█A█wp███?'█6███'█~███████████g=██████████████████>py..███████[█pH███████████^███{██████  
I-███████,%███1█S███J██████R██████AT█g-(██████s███%█!9█pp%███zl'█A;███<█C██████h███CN███"9p'h███████-██████  
██████████████████wT███a  
\;█O███████{w█c███)█8%█S███u█y~5█~██████████████████l~███████████7███a███████,███H█W███UF=█k███████az███\███x███[███  
███████[█=███đ███m█A███████c█\███████████z██████L,█z███████'███?███@███^███b███q███q███y███P███y███eQ█B█A█^█z███  
Be███"███████████E█i███b███a█d█f█F███#█C███████████-█r███\_███A█h█S█x█V██████(██████HH/█1█e███████████y█n███cNI███  
███7███c█J%█IE███[███(P█eZ███████████q███)███K█0.█8█\*)Q███α█R@███`m███4███J███]E#█:███\$██████████████████  
~█  
U█~|u█w██████S█e█P█q███:Y██████mr███o██████S███9██████a\_C███████!p█S.█;█U███j███████████|<█%█,█R███64███0█9███  
███,███}██████o███?r3/█o███i7y██████}███████9C███████G███████████Cn?█S███████████L:█z███████7███z███z^)███SA█'█s███  
███████JTy███'qN███████████c███████████\$█Z█'█r███████b@███H█/L███c███X███u███#███nW█,D███0███H█.███}███  
█L███4π███6███TK███(Y1█sw███████q)███[q+███n8███████████~███K=███████n███vu███\7>█|█Y███/7Y█Z>███:8pw\_7███  
███}w███.███^█+███\e█e█e█\$D███+wd███]███████████k;███M█Fe███E███D4███HU███r)█0\*███████@███X█Y█&L███  
█|███████r███4█O█M███████f███████j█J█m█ex███h,██████)██████@██████████████████;███:56-██████████████████  
██████+███████████3███\$██████7█h+█f███c███████d███z███"███████d███/E3███~u███:██████g███>█oU?█c███████████b███  
███ç███████\*███t███d███Bo███WVTt███.F█#███BJ█-█3█u███████\███)█Z███iu█Hc█|█c█\$███(e██████Jh4███B███YY███████  
█P{██████/A█E█w█q███(██████C███████|█x███████2███████x███Pu███f███bD███J███a█1o█z█41V  
███████Ca███/███████z█1███?███\$k███=███[@███████s███{███p███[\_███:█~█k███c██████████████████U███████\$██████  
███████j█7███t█U███H█^███████████g2███P███████?\*t███p███"███?██████):█3T'  
█Gy███████X███0cWyd█Y███████|███████b███&N███████████H4E█55███t&███TB3\_)█JaUyyu█|███Y█A███FAw2███████████c]█r███  
saW███a█Z███████+OS███1███a███████gO███████J,█V█.4█u██████~█7█z██████████████████ATxSu█u█w███████|/███████  
P██████████████████'███████|m███████████7███████s█66l███████[███CO<qe\███████{X███X███████hC█xn7███,███-█N███████████]8███  
.██████C██████████████████\_gNf███████p███~███F8█a███████2███+sTk███]███  
'@███████[█\_H███████O███████████79███8█w█S█tLFC███████████T███T=Xs███████\_███████J█7)███N█V█m██████0███4███[█|█{███  
z██████+c=1FO███████|4█Tr█2███████████T\_j███)g\*███b█0███{███},2O███\$█P1lq██████M██████8███  
zn███'c]███k███<)Z███=███Y███+███████p███=4h█0+^%███\$h+(███████|███████.███t███T███U█3█03███████████'l███p███wi███████9███  
██████████OF███████████>███████f█hq███|<███████Z███████████b███s█JS{██████W:C7███████████pzb█T███████████)Aa███████  
███████████za█\_█t███7A███W███X/j███████████<███uj9K(^R█L4█R███T  
█D.███r█(███)███B█/█l6███\_█|███W███=███████|███████+███gR███████s███=█g█1i██████O███████{███k███████m█/C}!███████  
██████v{███████n██████████2██████>███'U██████8b`a███`f█A███V███\$███^b███████████'6█1,███U█~█a███ev█~███y███~█WA█5███

h1■■■1■■■xJZ■■■y■(yYp■■■%■■■C<■S%/■W."■■■%■|■x■■■J■8■■■\■\_■■■p■}■■■■■■■■a■v■■■6\_Q■■■}lo■1  
■`■■■FZ■■■q■■■87■■■h.v■■■m■■■57j■k■=4r■55■■■l■+o■■■Z■■■h■■■W■■■;):Q■\*■■■Y■■■.■! n■w■AK}M|■mD■w■\■4  
■h■■■'R■■■\A■■■X#■■■'  
V■■■O]■■■\_■\*■h■■■%Q■■■(■■■^■■■WG■e■5■{■jaV%t■■■>O■■■\*A■■■ #■■■d9<\$\*a■s■■■+8■■■  
8bL■■■Z&q■J■■■'■■■P■#g■■■@ ■■■0G■■■SF8■■■\$iy■■■c■■■.■■■0h■iR2■■■x■V■(:■■■Z■■■@■a■A■i#■■■  
■|■■■5■■■A■Q:■N■■■9■■■<■■■c■■■Bc■■■(■■■F`■Z■■■'1■■■t■\_GB■■■ey■■■<{■L■k!■■■E■1■■■  
j■<■■■O■9p■5M■■■e■■■v■■■\_■■■>■OP  
m■■■0■(yn■q■■■ bf■■■]■■■="O■<u■h■■■m=l■■■+■■■Yp\$qpG■■■Á■■■ 27■■■8■■■  
■jQw■■■T■■■=■■■(■■■J■R^■■■X■■■90■Xu■ad■■■wg■■■A■δ\_■■■Y■f■■■s`X■■■=)>Qf■,■■■#■■■n[■N■b■■■  
■■■2#X■■■\_@X■E■■■L■■■]j■`■■■b■■■J"d■■■j■■■O■(■XU■αUpf■■■.Y!■A■u■■■V■■■"hCG■0  
■■■C■6■■■N■■■u■■■^■■■,■■■b■■■D,■t■■■K■■■A■■■<■\$M+■■■buO■■■X&■■■^Z■■■"  
(■U■■■T■Y■L-■■■N■■■G■\$■■■{IV■■■EFKaq0r■■■6CP■5u4+■C■4■■■a■■■+W/(■■■3■■■M■-■|  
X'■9■9■|■■■q■■■d■■■)■■■|■QS■■■^■■■r■■■H\$■■■k■■■9■■■z■v■■■S■■■v\O`|■■■-Dz■■■!P■■■a■■■  
■■■p■■■wJ  
■}■■■GUU"■■■mWU■■■F■\*■■■%L■■■J■■■d■■■L■■■8■C\$■■■G■■■G■■■`■/0■■■w`9■■■L■F■■■KC■■■  
■■■w■■■=r|■■■ktw|t■■■@■■■a■■■(■■■t■■■]p■■■\*■■■J;wq■■■xq■■■u■■■'■■■T■3A■■■{■■■s■■■i■5  
B■■■-3■■■q■^■e■■■P■:eKe■■■\_(■V■b■T■■■1#s%[■■■-■■■L■■■F]■t■■■Rx■C■■■bC■■■R=■■■B■■■=■■■J■■■7  
,■Y■/■(■■■1■■■#■■■w■■■E0■V■■■@^Wg■\*h■■■r■J■■■j■  
L■\_■)d■2■■■P■■■Q@7■ y■b4■0■■■!■■■#>■■■>■■■?■e4y■6(■«■V■■■zr\*■■■"■!■■■<■)[■/qzq■■■v■■■{  
■od■■■K■■■vbV■■■X■.E■{■\p■■■v■■■W■■■?^■z■<■B■R■?■■■|■■■J■■■X■■■+^■s■v■4<■■■)^  
■P■^H■o■■■4Q■.■#|■■■gZ■■■  
■■■|■■■O>■(JAs 3■■■J■^■■■Yv■cj■/■■■fq)■■■m■(nf■■■+■kMY■#■■■m■■■+■í■\_■q■■■\$y■■■<■C+■■■1■■■  
■■■/o■^■pO■H■xj&E■O|)■■■^H■2■■■i■■■  
T■■■t■■■2■3■7■■■2■■■;■■■\$R■■■k\_■)f■4■RaW■r\*■)■X■"m■■■/7■■■NC■z■■■~■■■|■■■ +■■■u■■■:B■S■■■  
z-■o■\*■[S■■■2■■■p■a■■■v(■\*■■■&Tl■■■P■■■AW■Uf■N\$■■■zU■■■|■■■.■e■■■J■■■  
■■■Z`■`h■H■■■+r■n■■■O■Z2■■■mx■â■G■■■.■i■■■+■■■)■Z■\*■■■Pf■jT■■■!QQ5^■■■@p■■■  
}px■■■L:■■■y■a■}c■■■'■@QbF■~■5#■■■'■■■UgA4■\_~F■■■D■x■■■2■■■w■■■ju+J■h■M■■■ey■■■  
■b■wA■■■H■rX■■■E■■■rKL■%■■■g■■■H■■■C■■■m■■■|■Nd■■■ï■■■bV■■■^■W■■■~■c■)■  
H■Yhla■"@+E■■■T■Q+R■■■2■W■■■H■br■x■■■C|Mf■[■■■i■■■7T■G%■■■EO  
■■■^7■■■e■■■<|jz■\$■x7cXP(■■■bke9■t■■■g■■■[XR■■■3■i■■■D■■■r■A■■■r■■■8■■■!■■■Y■C■■■r■7  
■■■xt■■■k =■■■+■K■■■\_■■■h■■■x■FRk■■■{■d\_■■■+■'■■■z■rf■■■ω?■■■  
■■■ht■■■f■fd■■■£■W■qKQspV)■■■qq■W1|^■■■  
■■■ XF■3■■■!■C■■■"■■■DQ■■■22■■■qC■■■+■■■Y■■■{■v■■■\*W■■■ICK■  
■b■■■j■b1■B■■■tM■■■E■■■R■■■ÑH■■■O■g■!■H■■■1■IMK■■■SG■e|■`■■■1■■■&■■■0N■\■■■LÓ■■■z■f■L  
■■■p■■■|■VZ■#■■■\*■r■4■PI■|■|■■■D■■■]■■■7\$;■■■+hmt■^:■u■■■N■■■t■■■{■■■-Sp■\_■■■R■■■a■(■'Z:■■■  
■■■#r■d■r■,■■■V■dq^■■■s■Y■"■■■N■■■mN■L'■■■R%■;■■■a■i■■■D■■■P@D&■(■■■J|F■■■w■■■d■■■  
■|■■■s:■|>■■■'■■■%C■■■7L■LO■■■,■gVa■■■G&C■■■,■■■"YY6■^■■■a<■■■E■■■(■■■H■C  
A;■|■)"■■■/~n■■■)o■;a■■■;q0z(  
r■■■?■■■;S■7■■■\_■h■■■)k■■■#■z■\*■u■■■+~S■■■ZW■Y■1■■■r■i■G■wgi\_■■■d■■■\*■,■■■/■■■g■■■+  
H■■■N■■■aE■W|9:■■■LkK/■■■`VA■■■ij■O■■■T)■■■Om■■■x1■D\$■■■!>■■■v■■■V■■■5■■■  
c■■■!U■■■  
■■■)■■■y■N■■■ShX■]■■■M■■■p■r■■■G■■■Q:Z■sG■\*■@9q■■■/■■■i■■■]■■■7■■■hr■ve  
■■■9■■■`■■■3■■■3■■■8■■■#■■■S■3c/■B/■■■■Z<■\■■■-r■■■9]■■■\*■&■Q■■■1■■■,■■■/■H!■g  
\6■p■\$■k;■■■.\$\*O■■■,■■■u0U\$■uGn■\$■■■'■â■A.■tz■■■e■■■M\$K■D@%■■■+?■V■■■Hc■\*SU■■■ä■■■!RV■Pqya  
bndD■■■ A■DNu■■■fc■d■■■|■■■v■i■■■3■■■U■■■]c|w■■■:■n■■■a"■■■6■■■/■■■3■■■=■M■7  
rUUF|■L=■N■■■0[■@■■■4■■■67B■■■q■q■q■8i■■■b■■■!■■■|■X■■■ZA2■{■■■E■TC<■■■  
■+■!■■■O■]■■■W■A■■■\■■■x)■■■o■■■ON/■■■|■■■Uv■Qv;■-t■■■|g■■■/■■■D■[t  
nQv■[■■■7oe■■■Y■■■&tvYV■)■a■R■■■&>I■■■,<C■?■■■e■■■t\$■(w■H(!U■A'■■■h■■■  
■■■n■■■N\_■}■`k^■■■7=■■■;■<■■■+■■■zq<■■■S■■■~■d■■■(W{■!■■■q■■■5■■■#■F■#■■■  
■■■0H■■■X■■■&0■■■6■■■xU■■■h■B■■■bh■6■■■6■■■\*■f■■■R■■■v■■■p■3l■"■■■r7■U■■■V=■7  
■■■B■■■"■■■"■■■j|<■"■■■OF■■■A-Y\*■■■?<■■■jn■■■n■G?:■■■]]/■■■ih■<■■■#K8c  
|■■■Uj■■■p@i■■■n■LO■■■o■■■/■T■f■■■{6a■■■s0■■■o■■■[■■■[■U3■\*j}{■m■u|r■■■KHY;■■■  
\_■\_M■■■%■■■D■■■T■■■s■X|b■■■s■■■)p■(■■■H■■■z■m7n■■■7n(■o■|@■o■T■■■  
fLrg■■■~■(B)qOmx■■■R■■■v■^■■■}S■#G|■■■9■ydl\*S■η■■■4■■■o?■■■.■1■■■4k■■■  
■■■<W>■u■H■T5■■■r■■■j■■■%■■■P■■■N■■■!O■■■P(■■■P'■■■B\*■■■5Og74x■rj■■■9b■■■%\_■■■  
■■■G■■■:|■WM8\$■#■|■A|■■■?■■■v■■■|■■■Zz~■7■■■|A■■■P■■■<Yd.Ls■<■v■■■thLO■■■R■7■■■<■■■  
@■T■■■x■■■yY■■■i■Uj,i<:y8■■■t■y■■■fq5■■■v■■■w8■u■■■{5■f■■■yy■■■|■C■■■z\$Q■■■  
■Dx■x.■~■■■%c■,h■,■5T■v■■■5■■■:■■■h■■■|■■■(P■■■p■&■■■%■■■z■■■\$■p■>■■■  
■■■|■■■[■■■/C■w■■■0■n\$S■o■,■■■?/■{>■■■MU■■■PS■■■R■■■;■~■■■x2■■■W■ ?■L■w■■■q■■■a





#####v#####5#####!sZ>#####+#####9#####|#####z#####crUjg~#####{pS#####7#-#####6e^  
2#####;{#####>#####A#####G#####5#####E'H#####F#####2G#####[4#####+#####^|wJ#####7[#####n#a#####^#####1#####  
+#####z&@4B#P#i#P#####HX!K#####r#####b#s<#####)R'O#####N#####X#####5#####M#d#h#cT#eQ#####FRW#####5[#####i#,,  
u#i#####V#####&#####8#####0#####&#####(#####MT#####we#:=#####\_#####Z#####]c#####&#####e#####Q#####m#nD#;#####++F#  
#kU#####9J#####\_#####Nj#B#N#u#0IH<m#/d#HK;nU#@a#####\*#b#####(h#x#####|#####:#####IV#####)#####kWl#####  
######j#S8#f#####F#####p/y#r#####"#####OK#####E#>#{#####rV#####\n#grs#z#%#y#####h<8#####.+5#V#  
gF#Q#55#####9#Z#9#J#U7-R#####Cm#####=:#####Y#####"#####&#`e[#####W#####ZD#&#####d#####8#R6u#0#%#j#  
#####{n#####`#####i#=#D#####p#####Ga1#s#####2'm?S#G#####6#T#Yr#####|/#####w#####D#}#>#####JH#####  
y\DA#9#9#####tm#y0#|-t#####F#####\*#d#Z0#####Z#####Mi#####/#####>#"e######l-#####1P\_!!#####WWJ#####<n#####ft#  
#####e#<#J[#####24#x#9W#####.]#k=#####s#####-M#B#N#####`#Cv#####0#GHI#MR#3#K#xSol#  
#C#8#}(B#&#!#####\#####r#v#n#J#S#####<Hg6;#####}#####f#3#####3#####2#G#####j#u-#NI#####\$#C#  
#####.H=G#q#2#  
#####%#uR#L#####A#h.###A%#####z#E#####1Q#####Q#####N#S#)#####J#2#####Q#<#####y#S#m#####W#  
#####`#####s#####r#L#l#s#####L#S#####J#a#M#####!#Z#Fil#i#uS#B#'#9o'9#  
#####FPV^v#####v#Yl#####]#####\*#####-#####@#r#4#####r#e#####q-#-#-#Z#W#####K#L&#####N#####AQ#[h#####;#  
<#####=6s7#####F1%###-#####Q#####SC#####4#####HuLOu#####W#F#####\#####[3#####~qo/#####{#UGO#####%#####  
#!#####.#####4#####si#%#####6#####6]#####Q1\R#R1U-#Ro#lO/9\$#####'J#####eO#m+#####-@#####p#w#####^#  
#####<e#####BP#####xl#####d#####l#####v#####SJ#####)#####|#####X#####hB#####\*#1#z#####6#g%uf#LD#6#####\$#{#####p#qA#####  
#l#o#####3#Q#9#]b@#####T#H#a#Lc#q#84#####(e#####3#####d#Q#D#a5fa#####D#>#####){#####VSi#K#B#  
L#v'#####n#6#####a#####N#####.#####x#####^#####N#####w\_#####K#O#e#\_#x1#####7#####Sy#  
#####2#####|#####o#X#####:S#%#,,#c#M#|0c#W#####2K#####Q#####/#####K#Mv#L#s#H#####f#"bm![#c#  
#####@#####]#####.#####]#####-#####:#####+#####+#####|9#####|sa#####CY#7#s#¥#6#  
?L#####Y#####2p4#\*#####{#####M#D#V#(##\*##\*\*TA#####rYu#####NU#V#9s#####W#Cm#####+T#J#####m)!#ZNE#####&#  
#####\*#####(Z#Q#####h#h#h#h#h#(/#####/#####m%#####Z#Q#Q@i#E#mg#s#TEX#J#####/#####^g#####@#l#h#  
#####-ol9\_#z#####/#####V#2\*#C[#####W#l#o#####mY#}#n#  
#####n#####:#####\_#W#####[k#]#%#[#`i)2#il#ys#####Ee5#####TR#2#####l#5#\*v#####7o#####~&#####l=#####E#####u-#####M#  
o#####>+#[#R#\$1#####G#b#####O#V#;#4#####A# @#####`#####Z#?K#:#No#C#z# @#####k#;#####m#  
&#P#####A#r#ibXTr;#l#D#E'#####"#####!#5#####s#####v#\*#;#n#CH#>#####>^#%#m#,,#####W#>f#  
#####~#####i#####>#####-#Li#Z#4#,,\*#####(#####)#####ed#####\#V\*:#V#b\_#D#7#}\*#X#=#h#####rhC/#w#h#d#  
#####2vJ#<5\*#####  
F2#####Pd#v2#J#####TG#####a#####o#7#C#####u#n'#####&8#####pF#3#E#:#pa.###[#####po8#  
#####tV#J#####M#yRT#s#)M)#G#a=#####i=#####\*JZl#####+m?#TXX#L#&#E#;#nDn#5V#####WAV#{d#  
#####Z#i#@#w#++#####S#G#P#/######Awq\_#b#####q\*VS#B[!#####!Q.##H#0#C.#p#####j[#m#q#  
#####g#3#}3#F#f#%i#  
#####4#?#]#####6=#####?@#H#!#####m#####/#####\_#7#####w#####o#G#####w#####u#l#####-#s#####T#G?8d#~#  
#####P#?x#l#####\$^#####4#####mK#")[#L#l#z#####S#d#####9#G#L#jr#?#fn=W#\*#  
r#####R9#####S#r#A)P#l#kd%#####(#####)#####  
#####o#l#~#~#Yp#P#P#@#`######>#A#####{#####W#~#####^#9#Z#U(#####9#####F#  
#####Co#####5#4#,,#M#####WC#####q#####y^A/#J#B)E#++#(##,)^c#4;5C#####!#|#####R#j#F#####4#####khi#  
#t#@#i#9#####Z#z#####?#####y#M#[#####Ao#q+8A#####]k7#####/{#g|CE#####q#####?#####+?#{#####}  
J'5#|HWnA#####N#k"s#####>s#####g.~#####^#####9y#####(O#####~#d#2#l|#####o#o#  
2#0#|#####0#7#z}#####Q#>#h#<#\*M#####t#v#%#####R#####q#####M)#####L#####G#L~#####s#####  
{#Q#A#####{p|l#\*#frt#sa#####|#####H3#####b#####M#z#6do#@#####;#g#r<#M#-#####h#g#)#####@#cZ#  
#####J#a#w#####Q#l#3#####;#####=#####c#{#o=#v#.#L#!#####9;(p#q8#|9#9#!#####Y#K<#>#N#o#  
#####\$#####c#@#####q#q)#####d^#y#%#.######|f#####l9?4#o>#2&#d#H#####?#D1#j#v#\_#####8#  
#~y(:#g#"#####|N1#####)#~#Fp#s#,,#v#####  
]O#Na?#V~,,#T#s#?#####6#####B#####:#####&{#####|#####-#\*#{#####p[cw# @#\*#  
zS#d#^#####n#WV#Y#####O>#####u-#####Z#j#####|###########Z#G#####oy#####G%]<#~#####\#####\#;#9k#mu#  
G[#y#l#=#2#####>#o#je#J#]#####}#####U&#(#####@#####&T#####'D#;#####z#####l#ko#  
endstreamendobj6 0 obj<</Filter/FlateDecode/Length 656>>stream  
x#}#M#0#####>#####%#####d#####~#####C#V#####1N#####\_#d#B#y23#####K#<#m#####8#}z#X#<#  
endstreamendobj7 0 obj<</Filter/FlateDecode/First 114/Length 518/N 14/Type/ObjStm>>stream  
h#Tj#k#0#++z#A#,,#J!#m#AS#####7Q]#####[#####n]CB#m#####c#{#=#,,#p&#####Zc#l#####vDd#b#p#  
#####|#####A#####p#C#9)J##+#####fkC#####x#<#2+#M#V#g#####{#}#####S#####KC#eO#d#####Y#G#  
endstreamendobj8 0 obj<</Contents 9 0 R/CropBox[0 0 612 792]/Group<</CS/DeviceRGB/S/Transparency/Type/Group>>  
x#####\*#####kE#>#R.#dKv#####qU#####r#####r&3#Z#}#####=######9C#####0#l#t#t#@7#####k#O#  
#####>#####p#/#U#6#####Q/#####\*#P#3#W#+`9s#p#<#oq#)#####\_#<#0S#U#c/#<#aq#l#P#|,##  
}#####\$[#Mv)#####%#{#4MS\_#####Y#l#9\_at#^#^#`#AU#J3r#"#####sG#####C#####|#+#FMzZ#F#.#z#v#=#,  
#####c#####8#####M#]#####r#u#####g&#q#####S#####S#7#####l#l#a#L#G0[1#J#@#####-#####

■<n■X■5.■n6Y■Z/■Q^■3■Bc\■u■e:■<■FL■;■M■<9■L■M■;■4■n■r■/O■Q■q■v■-■7■  
■8l■z■W:■#■-hQ■`\*■<B?§■4E~■Z■J■  
■q■S■i<1■Z/■b■vc■a(■F<■{■Wf■:■?■VQZXrk■z■)0■c■7>■f■C/■  
x■+■}■zE■.■p>■d■o1]■x■F■>■w7~■  
\$■c9■w■-9■Bs■^■Ct~■edsM■<O■IfO■V.■Z■u■\0OpR■;■.■T■T■j■r/T■6■  
■&bT3j■^■e~eG%■D■xs■C■A■?\_■i■;■:■KJF■dF■u■>■d■P■+Cl■Y■Z■]■&■  
■0■yM>■\$k\$■4■9■B■,■6■Gjf■x■2■h■7i■K■|■0■(■T■w■q■xE■  
■F■.■^■)■^■R■/e■5■o;■4■"■+■J{■Q■X■zF■a{■@?■w&d■  
■[■q■v■kW■v[■K#g■2■Yp■n■]:■N};■E■A■8d■E■1■(b■\■X■-■  
Y■Q<■'s■bP■yF■9■Bg■A■v■8.Y{■-■i?p51■G■>■qQ<■^■c■cu■`■F■  
■Uu■:■t7■z■kf■P■|■Q■d,■F■X■M■'8■@■.■O■g■O■>■  
endstream■endobj■10 0 obj■</Filter/FlateDecode/Length 25041/Length1 73084>>stream■  
x■z{xT■<g■<μg2■3a■BH■\$■DA■B■0(■`■h■E■Z■-P■'-■mQ■Zz■z■>s■U2s■  
■(■7■p■q^■XB?§■B■v■K■J■"■R■3]■{■A■q■b■"■h■o■a  
|■Cs`■m■7?■6■i■r>■o■m■F■:■t■}■k8,■q(x■O■|l8■0■C  
■N■?)■%v\$■;w■o=■h7■4&■y/E■5h■B}■>i■v9■v■j■M■K■s■PI\$■  
■1■\■E■Q2~Qha■B■,■D■Ql■&X■;■w■TX■2■-■\_■+■PQt■  
}■8(■-3■%■b■-5■j■o■f4GafC■Zg■L■6■G■'4■l8>|■N■=■C■%■%■a■L■c  
■ΘW■,n■wo■d■7■4e■0r■G■h■"2■\*2v■!(■R■m■G■N#■G■!■}U■\*B■-■  
■L■!■B■J■Z■#■@■.■A■B■!■p■%■#■>■3■c■.■  
+Q;■FhAhC8■p■A■z■-■e9■j9^u9■!D■8■`■Z■u■C■h■e■<■)Y■0■!4R■t■E8-■~:■  
■U■<8Ug■Ss■p■p■G1■?&■~■O\■c■1■8wE■L?■+■f■e-F>■w■kH■X■  
ï■a'■K■/g■!f■n<■&a8■1■p■(■e■nr3■sqx■[FC9■r■[rz■b■e'■/U  
■Δ■A■\A:h■ "■K■MM■?■-c■ta19■=■:■,■+■X■L■1■-:■8■F■u■:■R■sV  
g■7(■?C■J-■Ad\$■T2■&s■Q■g;■y■|■W■P■>4@■t0■G■i)■J■>■N?■g  
6■:■P'■NQ+■.■\$■4■x■0■jSl■h\$■.■A■n■3■E■/■>■"■9■c  
S■S■y■3g■5■Z■f<■x■|■O■[f■o■  
■<■J■\$■~O■F■qp■u■JQB8■;■t■@■&■12■c■7■7M■~■k■|■:■\$k■\■#d■!■/■<■  
■#■Q■zP[■M■M■6■,■M■J■M■6a■H■s■5\*■s■t.■#S■(y■{■"/v■[■]■=■S\_■<■kw  
■q■R■i■,■\■]■T■U■}■e■4■Yb■\_■Q■y■6v■Q■t■d■f!■\*■#■+O■x[■qb■|■6[LzF  
-Fb■E■U■?■<■Y[■z}oO■~}■{;■\■Bk■}■+■2E■]w■B{t■W/d1s■z■\_■;E<#G■<[■V  
■j■UI■S■\$■J■A■#■-7■M■`■%■[X■\_?■z■:■Ct■#■zv■[■oq■m■  
■\*m■)■i■%■Z■bS■f■Wd■ZeQ■"9■zAr  
■TQ■|■`■%■k7■7Q■f■N■B■6■P"■A+Q■[■Q■K■&■A■X■#■  
DF■o■r■A■~■c■O■6■O■?■D■>■)Fn■h■  
y9■g■y■;/■R0■8■S■7■L■>afs■?\_■B■-ssD■Q■T■:pY■H■b#■N\*■P■,■S{  
■|■W■-8■K■!■L<L■M■s■\_■P■F■8■3■U3iE■g■#■<?■q■;  
■9■j■!■@■ZMz5■b2■Z!■%f■z■P■C]■C,■%■H■g■ZCt■\$■>>`■[x■M■j■Z■\  
;3■('■  
o■Y■b■Q■1■]F■J6■!■n■%■O■~■9■U■h|■.■"■m■v■%■7u■n■E■  
■(,u■8.■g■7m■g■X■p■y■G■Q■=■f\$Y■|■O■8v■s■'■&■q■D■%■  
■;■Y■=GSm■rg[■T■i■UsE■Y■pr■&q■A-■=aS`■:}■By94N■>k■>■G■d■j■v|  
}■~|■j■2s■fW,S■9-■X■yO■y■R■m■g■~}■#■Lb,t■u■j■S■{ΩKr■=S9  
s■%■F'■{[■G■L■v■vpr■\■Xm■59>b~0■O■{■/■]■p■6><q■5■kmdFZ{  
c|x■yo■98d■Gblt■W■k■G■C■}■tJn■\,■DkZ■.S■D■h■  
■o■r■q■\■  
]■4U3■'9■)■m\F■t{■W■+■<4O■5■8]CU■{■+■I■8F■4e■Q■q■J■2  
l■P#■P■G!i■jD■j■1■HC■F■i■i■4■h■jD■j■1■HC■F■#"■`@HC■F■  
K\$■>■E■RA3PE?@a■)5■S9u■QW1■F■X■cb■5'■V■Z#j■#■,■8■bN■@5'■y  
■>■n■00o■7#■k■!■mR■zc■=■o■7#■1■Lam■Z■S■:■0■:■3L  
■X■i■<Gp■'8p`■y■S=■6■J■!jbZ■lq@■y""■9B■8■s■9■s@■yND■<G  
■;G■]■Z80w■q■j■AW■j■;■0i■&u■;■g■y]■vA■q■D■#■]■]■.■w■{■@■@  
■'x■2q&■.■z7■{■74■@■|■7■i■@■Q■V"■q"■Ha■u1■F@■%■@■"  
■L^H■0■"J2^N■+■+■r■Py!■"■+■(Lb■Q■G■Bb■Q■G■Ba■QWS■4/■V■6/■V■uU%■Ba  
■6■E■+■b■0j■^4"■}■F■B■A■g■L\_':■{■0D■:■\_■^■|o■yD  
kP;(■E■E■@■"■&01■KQ■g■/■7■(■,■L■(■Dn  
H■5F■+■H■D\$■A■h■x■J%■O  
\$^■ul■q'■\$^■ul■q■/■7■J■Kj■;9M■K■j■p=EM■P■  
■]"■e■o■Fs■l(?■?■]a■N■v■Y;■bU■F■zU■iW■U■]a■N■U■pv■pv}f

q8+ "OQ|qHW+ "Qq  
gS8pv+X\*  
M]s n!O t5 A j <Q v'7) ol]a x'S] 'pv55 G y  
y^K Zy @ ^L y X v pw5o/V] j yW vd z MY: J5 XaTK;+qhU  
y`7t v6py t  
T+ K T3=  
#  
# : } 0 k + h k  
# ^ (fXa 0fXa 5pz k-j a =>4 z .  
# k @ c 50{ XaD/u ^s 0 | 9V O] + k F T @ 5^b 5 { ~e ~ ^  
{w N = Uvs W o^ /d3g E i O / o | 8g V  
g sF ag {c yz oó o{ 5 4zo J M vB 4 " @ -1 @ J APD( )  
| ! ] P & s! w \_ = ( ^ A ^Xg & B < \_s ' P6 zS, M p 1  
! - \* F; s E n 5 + t Bn [ >G 7 Q < Y Ew 2 L n tNOw = \_ Y  
, ^E R ww<l @ U mR~k bT r ; F : m Q J j i LK] hi5W rd 6 r , FEO  
1 E A# = Y 8 Vc.L S, \_; q + H t a=% {o y x hZ C ) s 1w + m /o  
5 B Z b & 4x HqO~K/ 2\$ d K % j6Z+{/ 1 4 #  
@ <tY ) C| N x \$ " smP x S . i c MRL ^n } 3 ] (% S1t v i ps R  
X~0 o,pcb dce q Rn = rt , [tbšz] E v e s a Gc+%jr.u T7 L 4 Sg 0  
Yg 9 j } \ D = At : - V { \$ Ax- >u O i | > 4loo NLE7 1  
P " h Z kU Tg tv>d (r | + F 8 0 6 h rw = # `x e  
o 1 ( , 7gR [ 6 J UY 7C Tg a " H \_ [ O % ; \_ ! i | 6 . { UKL < xt 1 L p#qA [ T t  
C y 7 PHn 0 A & Y U [ Qs | q ~ t B W è 3 \$ 4O4  
WH CH < 1 M K J H h j j m B G J  
O O t 93X J ; 2 5 Xxrt Y1~105 c 5 D , 0 F ' - FPAI3G  
xq M h [ , 7 , ] N c } S 4n F % f Nt l5c v o . 8E { D C3 W ( HU t  
endstream endobj 11 0 obj <</Filter/FlateDecode/Length 18467/Length1 32392>>stream  
x z { T 33 ' = | B \$ @ \$ \0Dl @ n, l P \$! " HP b e P7 o z Z / U > s  
` uk [ n 9 Q M . s - " i n r q5 k > 8O | \_ : : # . ^ #  
G { b + W e @ o + \$ | A m 5 E a Yk s A ( c V > X k ' FV | 8  
- | 0 ~ g4r 0  
Ja > T b X up { c6 3F } G b ~ X  
+ 5n o m c ; 3 & OO 765e Q l # Gx { a C C 1 Qv f , " K ( o  
In ^ ] : , D , . YP ` 5 [ J ` 7?0c ) y " Ut psGQs ~ ~ % - \* b -- ; =  
o , hY h T J E + B { - # 5 # H " & 7 K & v % % 0f 9 U M5 cS u ; P  
TyU Z 4 ' 1v + nX FZJe 9 g ; C ! h MW ( ( l | | # ` U e pt w ) H i  
\$ U e Y ) G & B 63 C y u ! o # ÷ QYI H ) . O 9 x . 6 s X  
9 J # ^ ! M j y ' N x / w 8 s e 9 Q j k m \$ | m , s M q ' CZ  
0 ( X \$ + | 800 H > u X K J Z b xc qfyl  
; p 9 Q s o 6 . W z b \ x . r m i 9 ? O v 6nr/f d ! UG Dn # c r A &  
% R YE UZ 4 N : + 1 & J % T  
t # Z H ( ' h Wz EvC - j : q = wJ + z b G o 3 BY n \ : vQ ~ n  
~ t E q w y B c + j l c ( % l 3 & l S1 \* ~ nv G , \$ EU , " c a Q DUQ H  
| R f + o j v 7 M i ` V s % za z n - . z T X c f 1 \ V  
' 3 ? q 7 ) Hd # > Q O q M h t \$ 8 a 1 n ( j mx  
G Z j 4 4 R ! F X # / dx 7 0 X ZX < o y & | JRH C C | K 6  
z ' KB U \_ [ q z - GM \_ ] \* { s YQ { f Q cfr 8 s D 0DF + . q | Ez S  
y B | J D X , n w G Q 1 Y > [ SLr { " c M  
- o ) } 1 + E ~ ( % U @  
O : H w \* h A \_ S P Q y P n c \$ ) 5p B . y \ Ns f ^ < \$ ' 6 n ;  
PB 6 ? a ? ? r 5 p Y Da , B ! \$ F 4 J \$ x & \_ ] 3 l / O f } \$ t >  
 ) LC = % M F 6 r o E ; 3 - - Q , r ]  
b ag M ^ k t z ~ - \$ P AG > B ( ( h R ? A ' % n XC L M L 2 + a y  
 = GL L ( 4 \* p \$ ù B T 15 , v Y Q Q  
Z E ] ) : J # hh | 5 | HE 5 c & O 8 | D W ; N 6 > ( N VU9W [ g ? \_  
 ; D \ H < J ] @ j b 6 i 8 x 8 [ a \$ c \* m z ] 4

```
*0Q[U<{yV' M0 W0m?G5[TKG'u`#Euu?vP)]9527j
T""aSGAS>4MKXyM Q77E,uYF=+rZ=B5B=B3"42TT
.2>/l/z/NLgHz,[6.pJz++1,k[g722((+3?.;
;rmqS*ôW=Maa~&16R'Ri,h++0HCiiU N+\
!!pJii@b5HHRB?@wZ'krJlg&%EtMt>K
]*FMN\R#w85qSAii;ZEC0QZ3MpDzOS#SrF(h6)I
VV5hRiltB:KK'hZ?jY7J@MPOij)\:
PP~];$#MxoDGqnFWJnBK;._H$KK@|I"V
97/g$N"-RzC%_yA#bjbk..ni.Nj=Oj]$"$JBM
4)zbgxlij##bN4pwEE
A$JO8X/EvxxJz&kLpziWZ\TvH(YZPno1vvIA{XHH
^8M]mAAR]:HI|FW?zN:8bw>
Fz1 ^7f#/Sb}**=@e@1}&|
PDg(e'd*2t8leWTiTj9!!!<h7zuRSZkkxM<
TA>yInEVx6_pEPn)K$H'H!R67I-rrCrzSk<C#d
NI!e2JT8JJ!1e#&X]mw9ln>Ykkm2yy
c'_wx\2UUKn'u"b+*9S[Nnn~ly~^"?~LVBdDXVfM27YT
]>su*m_c=} )W&&?~^tL^/MyWWji'h'[
_=xVV|>p9>KbSt*Vg<\~OT3
[>\7pX82}S9~oz[M3aNg[iihOp;*X;;.s7;
zQ(UU_jZRGc)-$r=p]}~B
!jn.,(V)f)i_kZ_nL}iYOo+RGggG?
?E_*w5Ds_u43wfÜGKn^\yZ/_6
h<|_p,,,-'ErLlz
wec9j&NNev7||w5~'"
ZZu6:zg"hmi~ssG|~wwy;79bb):!k;[~~4dCzX$W
x(al)s~uli-Y\0("S`Xeq)?^^O8/9V%%e'd*(A_TVO:TO:
Gr]hLκx(.G)]8O%g==8R#V?ESmsmt
Coaew|=Bme7:yUQWW9'q|xPA|~Unwxbl#xowFFij?
u5js
5g[T1yyFdnZ?!?gN/m={ooV-<~[
endstreamendobj12 0 obj<</Filter/FlateDecode/Length 226>>stream
xjj0~
Cc\ccC|JfXI8)e7t0}mK?)9,d,zLLrIG!9!!ycqN
endstreamendobj13 0 obj<</Filter/FlateDecode/First 75/Length 677/N 9/Type/ObjStm>>stream
hmkm0^G[@4')hhnd'N/|,5a),7Dpzn2((
'y|rtuuipYqUUctRgE4X-
GyyZ5/vvo~V.+q_DOH;(BK_g)}cE(*,,,#e @{Vo
#:mJJqVmmLi/Sa.
]ooK$lo(=q[#pp1LYdmX
.'vRRilzz2zf>"o"fXcb`-09b":BZ%n(
endstreamendobj14 0 obj<</Contents 15 0 R/CropBox[0 0 612 792]/Group<</CS/DeviceRGB/S/Transparency/Type/Group
x=%q? /F=K0afgP''@iiii1TT>)vi6iiv.gbXUOOw{
o|ooo_lpg'a go8gb;C' _z|zj/tK;7.!ysy{L3}X??~9I;
!!W5p;C w//7Ima':`ai:ias0NvYw3_oory
:d%%#B g(P&#u'P/)w+%sP"KYYJkt=s^ wtx|P8@?
p+$MQE#|QT!@1KJJ"v}>LgeV442ifhxMsB\cP4
kkxhSP@i6P'@1~P$cc""3
Tg?p8~
^mm+L?G?W' v~AA!2_Dk1W<GD]27'Bnlql=PRun/_&
x:Vx:y~Hj3q]Q<O<Yi%kU>jL'n(s)'m<2Zeruf/x3)qN
\4\AIl3gnJA h)*g<F'mV}UuTT~IoKJL[s
U2)tjP8Dy}@NVk_>vp)p)v>YLss.O3fbr0((mV)83KpR83MM.@:V-X.
FFFFD_mL[B]$fj(c hv#Gtt)uNuN=rNb#v#
mWBYS~PjY?mtvlJPP4=M//ld/m%;9DW
FkκkL p\TggHXKKDxrQiQMTLwi8kk2mp"ozS
q#7&f!462^F==E:yLMvcy?qq'3'`ONBUwtKo
FFDiAw:#>?e'!*mXclv|X||xIH|v1
```

hCKJBqFoE9F6q&\_m5z.L!~4.M7kvvx4d0W8  
tEcnPc/a'9F!o||z|qz&Hq'?????FJG[||&DDE54o?}  
pE[|K<m(OzqBQ  
?GVp/XX}4=====FSSP(=====a++y"4m~A  
(("jThXrZgsg;GF;V=====q||vsø\|d'mHk<|!>8)Uq||I\$Y16;2  
i2DY  
6aT`L%>[.uLPsm=====qo=====J\*"/q/R25B=====r`aU=8XB  
SO18\*@@=====y')jVp||I|[''={Oa:|/#c|ggG=====e=====q=====VQqs|m=j!M  
i`=====tE%\$XAZ\*\*r\$|j)}::H2jM(Q)()||VxN=====PcZ:Rqn`h`q^(((\$Jl2C  
:=====sUy|<====v%====y kV{||/klM=====PMM.~\_=====X=====\*X'=====\\^=====|=====kq=====  
?k>U====M====s=====g1HzO====wcYd~====A====a=====2%1P!oG=====u=====n=====C3[=====E  
====i=====X=====2=====J====qy====qY=====2||=====E====dT5||da,====n,=====D{M|a9=====e1====ByQ  
endstreamendobj16 0 obj<</Filter/FlateDecode/Length 39645/Length1 67284>>stream  
x||{x=====93sf/====n====lvw6====M|6====B====F.B=====|  
\*=====jUle====m-====~====W=====k====|3=====}o&gg=====~====@!====?Z=====u  
||0=====,zu=====s=====Tg=====||/Z+Xb"d=====^=====dx!r=====|=====0P  
=====|mc====v====4'=====s+=====ATHV=====qJP(|====|,|'=====s====\_=====C=====r=====&bN=====n====%zZ(  
=K|y=====|%=====N4====<=====s  
===== =\_===='|====T;=====o====b<P====Z^====2oW3====k.=====+=====)P|z====e====1====x=====Kz|eW  
u!|v====#====sf=====!6\$O====9=====F|u====Z!;====X=====ZX====SX=====6====bY====pV%====n  
h=====G  
=====h7xK=====|x`5=====Ck=====|=====77====\*h====sU=====|nq8/|\$L====t2====a====a  
/|====g  
=====b====a====x====od=====YW|o=====s|f\_g%|C\$=====|T'=====Q=====\*=====I0LPZL|\_=====|/x|{>  
a8;====K"WN'1veV|xb|d5:|%=====8o|z|@XY=====2====p|^=====A=====8x|~(|r|M=====,|  
=====b:::)?/?=====&=====S| |^=====1|]====  
d=====CaCX/w|p(6(|<QL====@=====|@====(.=====7e====71=====|^gO|]=====dQh|\_9=====h]=====B4|=|a====@====  
5`|d=====|L|&q=====M=====8Q@====J====~f5?|@====r|====(r|Z(h2=====|p=====F=====;\*jO  
=====o|F0====Y|E2====b8=====δ\*LE4`|+mD|mZJ=h|\$~j00=====T=====A)~0F|=-?^=====  
=====1+====P====%=====|\*U|RLE=====|%-k=====S^=====\*2Xz|.====7w|s=====}|#=====^o  
|LR|gT&|R|U;=====Q=====YTFOG)G  
|\$Df|L|p|p#7||7/|/Gy1|v|b+|#H|U|'|=====,NJJ6|b9|q|Z  
KIN  
y'2Cgh{(|<=====y/|=====H8W=====!F>φ====v====Ak4).62|e|<|MD|TU|UC=====9F~  
|1%z|RA|e|e|C<|(|=====)9x|=%\*"0\*P9|x|hP|G)7|&G|Xy|2d|W=====|\_z=====0b>q.(|  
=====\\=====LwJo=====|  
R=====|u|uSc#0=====|f|m=====1a=====)"<=====(|d'Nilh|GY|"OJ|Lij|S. q|[|`=====\\=====~=====1|  
|)A6|b|g|\*=====XO=====6|9~=====3|I|&=====|S=====3|\_|Ubj|HnP=====z&=====  
f.=====Í'7|y|+=====u|T&c2|,=====|/c"=====Ps\$G|>R:V|m|bk!|Uq|d=====|&i6k|@R|Q|N#-|7j|v@|M|  
=====R|X|%;i=====|b9|h[|g|=====~S.=====j|::=====42"{|J|'K-S|O=====A=====ME;#!|i|  
|L|m&Q|I|Q+8|f+n|rr'9|"NV N'|s,|S=====b|=====|r'-|Q|OJ9|4|\_|xAvGk|'h|K|0  
=====D|I|I|bH>|<|{4J|<s|>|ZU~|S=====?=====aS=====?=====1J'|,|dy|n|,|e|[|;7yk2|  
-g|42|Y|S|i|=====A|j|\$|Z|Z|I|Me8|0|Y|p|?|fQ|D|=====p|=====|D|A|V|a|  
|Q|IC|,|h|=====|=====|  
=====p|=====Ç|;|=====~0=====j|=====o|=====z|=====B|=====5|C|]====  
P!\*B|)|=====e|T|6@|  
7|w|%|%|V'Dd|)χ&\\|\\fK|B|A|p|aR|h4RJ3|q|=====|I|"QBH|W|=====dx6P|<|&c|  
=====t|=====0B|=====S|\$|Xv|=====U|d|=====d(|?U|=====@r|N8|RT|[|t|`#xY|'o|,E|&Pq:|  
j|\_~wA|6;|=|=====p|[|=====+|d|'=====D|C|#|Dfh|=====fb7|j7|b|=====|'=====}|F|V|'|\*=====|&=====u  
T&g7|6wv|zv|=====Y|p|iyS|=====|dv|0a9|T|YJ2|::4e|wA|=====ΔDf|=====d|H~Nry|  
|"KQT@|\\|Ek|'|TE[|=====|K|m|=====y|=====|U|;=====3|=====|0|9|w~|{N|=====vJ|v|g|h|a|:| | | | |
|HR|fB|=====x|'|f8qA|0|+|I|=====|)I|kNm|a|=====|y|b|=====^s|N|?t|=====i|/bM|=====}|q|/|=====|  
|{p|\_|u|2V|}|H|V|y|=====1|sF<|u|/4|)|7#1|Av|=====|I|P|D|w|=====|b.|O|:|K|=====|vbA|  
5|J|i\*F|=====wB|=====|=====cc|="|)|'([|\$|=====+|=====M|R}|H|a|17+|J1|f&|  
|j|VmB|N|T|'|U|=====|C|Z|)|=====q5|Nk|Z|::~|}u|C7|  
|!A|j|=====^|G|=====i|^|W|H|/|O&3%|t|\\D3|=====3|]9M|=====ad|;J  
!L4|E|U|cbw|=====M|=====y|;ZW|hnO))(|y|s6|=====r|=====j|=====o|G|EKv|=====|y|S|j|k|  
wPp|":|X|-----|W|y|o|=====fk|p|#|>|o|s|?|5+|=====SO|>y|o;|m7|  
@|=====P|D8|/r|T5|U<|=====+{|O|=====P|G|=====|.|]|T;|S|k|I>p\$qa^=====



H███"███Y██████EC██████G█████]h████t██████-Y[██y██████f4N████\_██{██████:K███  
██\*X█████]vl0d██,4███'|██████+██F██2}██████X██████R5████7██VF██████q██████c██(████V███████████[███████  
███  
██████y██fn███g████7s███%██████&███-███  
██U[██████)████i███]██Q████R███████;████C██████1██████\██████|██████Y██\*███K███^|███  
[███WR██0██C███L(███8███v=███`██u),███-^███{███=███6██b███EPMU██US{-███\_e███(~███P/g███V████B<1██-██p  
██████████&██\$███O,-███~███████[███A████(██████(███BK███"██))██████████x\$RYU███████████\*███████&hl██████r  
7>|██±██/███f███\_███dE██7>███@9███ ████████h███&███\$███3███&███s██████████Y!5:███<███+██>██C\$███>███4Y███c███  
K)C███d███iM████d███BI[██████████%n███%███Q███F███B███D███████B~██████\*███@U███\_██5███x███e███w██████^███'███D██████/\███  
>███a███x5███M#`q███=z███;<███████L███████████{-██s|███ONw]███████\$███;S███████S███pGN██ylz+\*███0-███i7███{O███,███████\$  
██B██d███:████1-@███B██T██w███":██████:█████&|███R███!███i██████████D██████████Ω+q███Y███a███L███>██████J██████JN███████  
███p███8C5███u██████k███mjZ]██TV██████P███h███████████"███\u███^███:H███uj██6███L██9███i6G:██████████:████\$Y███F███  
2███j███FI██████L[1███A███~N██████y[vm███b███g███==>vh`y███\_███?Q███m███████&\$'███B███████████=███████████  
R███#███-██W██KL]███████'/1███}███[███X██f███]███|███m███|███████a███████'███████TwMM7██s███████-███k███████████!(███,███  
██h███  
E███\$███@███(V██████IDP███████|██4]███c███@D{Mf███████████+███&████CMJ███████x███!███████  
███████████]███n.███████NV███████7███m███}~p%███Pfo2███████████sDtI██████████[2███S███~███]███3=███->X███T███7███  
██{███u███{███9███~██7sb███/███"██████}M███████████v██████9t███@<███████o]███e███G███████████[o███████████>%███s███w███2███  
██+██████|███/███'███'███^~██████yA███████████<██w███A███?███[███████████e███]██████████M███\███+███0███VeW███?  
PF██████y███7███████"███@███V[███████o███3\$███Vr&███@T██████h███8I██████1/███F███~J███x███O~███zr███A███████,███  
██████████C███o███████████E███3███████████  
███:████Sz███.███(Y██6███eT███&9#██████████Q██████o██████T██ÇF██PZ██████!███FD;███^███e███d██6███gr███8███g███████████H  
(██████████(n███(███;███"██████:███Zp███\███3██████WH███s███M███████████A{zrr███9███<g███>c███;OL███m]███████████xK███u███████████  
██████████9███A/k███J███`███████████\$███████f███c███#R0███R███3███'██████]███m  
N███/%|███████████)B███████+███████████#███s'9███████████It███+███Mf███████ZOs███p███"██████)K0#NP^███O███  
███r███r███o███████H███!i███████o███████\_███U^███k███-[███X███████████r███[███pe███o███0███████████o0███3███R███5B███8███Uj███████  
███|███.███x\$███████████s███"E███U███D███████(\███HkW1███/███████████-███sr███Zy███JSs███Z███m-Ev███jy███lk███b███b)███2███.7███\vF███  
h██████jD███p███pe███v███Pb███\███████████h███████G███████████?██████████9███C██████rs███████5███j6^███.███@V███3███u███x███8t███  
H██████u███>██████q███+{f███,███S███rj███7L███aj`███o███████}███q███B███s███o██████m███████████^███2m███)███g███n███9███i███M,███████████  
███X███████████n███m███████████1/2███:███████M███ry███C██████]E██████)███:███████████B███████MIJ███)2███b███f███  
███EP███@███|2███&███&███;Nn███|███a'a███4███m███D███X7███████;F███'███QqW███I███>██████zE███)███K███5|███████Ft███z███████<███  
███Z███████3███a███j███&███)O███Of███f███0███Ti███n███%Vd███^███p███████z███████n███ZF███████/███f███e███X███4███k███  
P)███R██████0███L███D███'e███B%███████X███2███H'.███dA███W██████t███>███U███J███Dy███#███████7███'V███u███████^███m███uX███  
███Z███UZ███,+a███████████r███%3p███Y███p███████iu███j███x███KZmW███L2███████:███g███v██████h███G███FI███M\$███6m~███u███=███████}bU███  
███T███g)███████a9-███]tJ███/███R███5███<|██5n███V███r███8███A{<xz███M██████████B(███h███L=███9███\_███L███████████^X███████S  
███8███rz███████████B██████████9.C~███████\*o███r███,███S███G███O███&g███\███C███████████[h███YB███~███+███7███z3███[███vš8C███~███  
N██████████Tz███W(8██████████:E███9███████S███%rkp███4███g███S'███e███s███}███}@7x.██████████,IF███Yz███M██████BM███o███|███████████  
███%██████████e███%██████████i███████1███8███33███O~██████████á███8|███x███████████1███x<███oNp███Tg|███|I(███h███|>███  
███H███%███A███████k███████,+███(t███l███a███████w███93███████████Xdn"?███!███&███R███#\$███4███████████xu███5███g███  
A███\*███eN███?███u███q███X███2███+███j███L███x███F███N███F███SA███X███F██████L███|███████+███z███L███\$███d███████████s███o███████████KC███  
███^███>███qn2██████\$<███ci███zzx███z███████████^███VzB███:o███████%██████████6███aSp███U'q███\*███\_D███f███o███6███e.<███{(███&███  
R-tB|███g5]███,^b███████&███████████/███}=tu-███%███t███T███████z███████w███L███████zg[███iz███o███N███uF███%███fY███████████kqks███|{███x███  
D███████  
C&███████UfOOO███████d██████████aa██████0";███/███;███Lw███A%'K███Z███\_oWqd███ex███2\*mEETZi'███ex'2\*mUUt███████c███████████X███  
███████BKK███j███M███████████+███████████75███j███w{gc███{███N███<@███i9USK'OY███p███████████,███X1oU███>███████  
██████yp?<███^███?███████████8t███S███i███d███ZHNd███N███aJl███\$███████hc███V███:m███████.███████V███1███████]███1███████z███  
███2███Aw███qjw███\*███(4███g███t2███y]███c7?███████i'███\███'███x███x███  
x███)███o███\*███N███4+███████f███|███████T%h███|6███████x███W███'Xy███C███giT███:███e███\_A███X███████████A███9███j███4███l==x███8███████F███J███  
`███████████T~███\███Gpq███████████?███████m███████████COP███Es██████████n███4n███2%\$nj███5███%,███████8X███████JQ=B██████████0███  
,███+███l███\$gJ███@███ix\$4███U███████P!███3l███b███████<  
███N███.███K8███c███████B███^███}███z|███o:~zU=███=███-|███m███████g███(███&███'███████~+███B<███+Y+███cY███N███#v&@{███>███3███  
███4███'███=███|███E███{███zcz-███5███M███3z███████wW███'███/███?███7~███████████^P███████████^███/███████████]███ji███  
██████████t███Oê███z███:███hX███████%a~  
███H███94l███a███████████h███9\*███J███{███i███Yb███Qi███@4███.███████^███V███OcW███F███████R███W(sL███@███=███4███████████r███W███  
s███j███%███AS,L███████d███J███████Q+███,███t~u9██████████N███Y\$ciQ███████b66+k███H███P██████V!██████████m██████████rl███f███|███6███  
███U███Õ███9y███7Y███G███████\███,███%███Yj███7'UnaK'███████,██████████u███X███████████d:a  
jV███  
███o███^███b███D,███=███Z███████████P███P███O███/███████████>███[A8███\_███a5███Fd███9███pM███K███U<JX███VV███████"███y  
██████4f███████████r███



r■■■sQc■■■]32■Yl■■■■=cxS■■■■Z■w■■■  
`o■■■aI5.1■■■H■3■b■■■~■■■yf■F■\$]■■■■sq■■■a■■■;■■■;■■■qF■J■■■■m■■■>a3■Z■#■a■@■V■\_q■■■■7q■6C■  
■■■W■'■■[■M■■j■■■■■■u■■]■#■■■9W■■y■■■■whs2■n■■■|R■■■■M>■■■■■■■■■■K■'■@K■H■■■=■■■yH■  
endstream■endobj■17 0 obj■<</Filter/FlateDecode/Length 612>>stream■  
x■■■UM■■■@■■■+■8{■■■\_ \$■■■■■■u■■■■B■@■■■■m■  
■■■0\$  
]■■■■WE■■■d[■■■s■■u■3■;■U■s}is■■■XV■■■(■F■■q■■■■■■:■■r■■■v■■W■■■■■■|s■ma:■■■?■■w■■■4'Su■  
■\_P■■■"■■■8■■■)■3E■■■\$■■■)■C■A■■■>■J■j■Amp2■■■■)■■■■'■#■■O■■■U■■■■■&MG■■■e■&E(V■#J=■■■\$yI7■  
■■■  
endstream■endobj■18 0 obj■<</Filter/FlateDecode/Length 18783/Length1 64644>>stream■  
x■■■{y|■■■nU/■3■■■4■■■xZ■Y■X■=;■■■■0■■■`\$b■■■i@cK■A■■■x■■■?■\$6z^■■■O■■■&■l■■■■■■@■g■■■&?■fy■/■  
■e■■■;■q■'d■|■>■■■N■\■4=6■■■rz■■■■■■5■■0■■■■■■z■■`■I4■{■Ww{■G■■■S■■■&■fN■LG■n■■■■■■Fz■■■&■f■  
5■6O■■■Vj■■■E■■■■■■e■u■m■-■i■:■■■l■G■■■■rdX>■■■\_■■■3■■■k■7F■■■x■-xW3■u■■■■■■=■■++\$O■r■  
■■■■k■■r■\*0\*■■■■K■■■%■K\$T■.■-■■■\*■■■]R[■-Q■■■■■■l■■■(■<■z■u■\y■■■■■■d■(■3\_■■■Q■■h■■■^■■■  
■■R■j■  
■Pc:HK■■■d7■■■■6■■■■H)■e■■h■1■■■m■■■m■k■■■^KDNfE■\$■■■■MG■■■■■■m■■■]■■■■hm■■■■■■■■  
■s■■■\*■■■■■■■■rCr■■■e■x■■■■■■■■oS■■■jr■b\$■■■■^■G■■■z■!■Z■■■Q■U■■■■3<■■■HB>K■■■EH=■■■\*  
■■■■#z■=■■■■■■h>■■■>■■■2■■■+■d■A■eR■} s(■■■■■■■■■■■■■■U■■■Az■■■2■■■T■n■■■/■c■'2■P■■■■■■C■  
F■■P■■■S■■■N■■;e■■■■■■U■U■■w■=■g■\E■C■■)■,■0■■0f■D■RNIo■■■X■■;■~■■■T■■■QI■=6■■■y■  
■■■■■■■■■■■■■■f■■■■■■.■■■&x■■■R■■x■O■■■■g■â■■■s■■b■■■■■■c■■■■?■■■-■■■.■■■■1}■C■1■■■  
■■■l■■■■■■x■■■■E■<<Ç■■■S7■g■K■■\_J■■g■■1(■il■■■?■9H■■■■G■■■yh■f■f■gt■n■=■■4■■■■y;■%l■■■'■  
f?■It■■■l■F■■■,■■■■■■@Ui■f■■g■%■N■w■■■■N■■■T■■■0■■{2V■e^■■■#7■WW■p■■■-EM9q■^u■■■[■/■  
■■■B■\T■■■5m■■■-g■=■■■■■■/■=■{■M■f■@■`B■#o■■l■(q>■a■g■ni■3■■`■j■■O■N■=■3■H■■`■■■■■■]■■■■  
■/8■■■D\_■■■RB■■■d■f■k■á■■■■p■v■■fw4;■■■■K:vi■f■■■5■KQ6[Pp■a)Qm■■■(■Q■Ea.■e■z0U■■o■■■■  
■■■M■■p■■■0Bz■■■]P■■■■{■{■K5■■■■\_■]Q[■Žpq/■■■■^@■W■'T■g■4■■■/■■■■■■■■~■■■■g■■  
■■■■■■td■■sHuC■i■U■■■W■■■■■■i■dg■■■->■■■■■■l■■■@?■■■,■wG■■■V<■)■■■■■■C■s■■■■iS■u■W■■  
■■■Q■e■K■^u■■z-■■■■■■5■■■■■■■■.■u■&■■■E■■"E■J■  
■■]4]■■■■f8■RXk■■■6h■qgG■.i■sW■\*■■■K]■■k■6■%■d■■■■■■E/■■■>■■■U■■■■■■■■%■■■■!■p■#■■■  
■■■IT\*■6j■■■■■■hT■w■■■■■■■■DQ\$■■■]■8■■P■■■■|■+■.■■j.■■hu■■6■■■■■;■■■■■■y■■■-Z■V6+■■■a■■W■■  
  
■=■~■■■■V■)■'■C■c■>■■■■w■■■[■oA■■■d■■\_■■l■)■■■z■ZN#■■■6D■■e■v■■■:■O■■■■■■[■■■■Hi5■■■■  
e~■/W■  
■`■■■h■m■■■+■■■  
IJ\*g■■■■■■Unpj(■t■■■■■■ra/4■■■hT■■■-,■R{[■  
■a■u■4!t■■■g■■■m?■■■am■■■■6■'O■P■■■9■■■■■■<8M■■■GS■■■g■■■t■@■]1■\_■\_■P'■■■8■■■■T■■  
'■■ry:■■P■|5■k■■■■F■■■h■R■■y■■■\*■■■v■■n■9■E'■4■■■l■w■O■..■■■]6■w■■■]e4>■■■■i■■■/■~■■  
■D=■■■(+>■w[■■■Gq■u■?@■■E)p■F■p■A■■■yD■■|■■1■■■■■■ex■1Q■a■C■P■■■C■■■>(=ES■■■2S■■■  
■■■t■z■■■Z■■■■■■b■■v■■■■■■■■WB■■■H■■■"■\_■■■eU7■■k■■=P■■e■■■■X■■@|■N-}■M-}■}■-+F■  
■s■■6■■O==■Cd■■■■■■N■■8■@■■■F■w:■■■\$■■■-■t■u■W■■l■■■■w■>■C■■■■■■!b+■A■■■%q:■■■,TX■  
■■■■■■A[HV■■t■■■■■■?vdf■■■■■■K■m^u■■>u[■@■■f■■■N■■■5■■■■-■\■■■■■■\$>"kPYCH■■■■■■■■+■./■  
■■■■d■■■■■■i■■■M@■■■■c■■■C■i!■■■'■■■B■■CN@■9>■9■■K■■■"2■|■z■■■■■■)(■&■■■&\_■LA10■■■■  
■■■g■■■SP■L>■L■■■■b`■Y'■■■■■■■■■■?7■■■!■■■■9!1■■■-■■s■■■!■o!■CNH■9~■■■!■\$■■■■■■9!1■■■  
>■■■■■■)■■■■P■■■CP■BP(■i■A(lA(■i■a(la(■a■■■P■■P■D!■■■■0!■C■Ca■Ca■C■■■■■■■■1■■■-■■9■■  
[■  
s■2■)■q■2■0■■0■■0d■a(ba(■a■■■P■■P■D)■■■■■■■■!S■C■■C■■C■■■"■■■"■■L1■E,■E8■■b■■X■■p■2■0■■  
b■V"■■■t■P■k■■■r■■63>■&■■■  
2■5■R■■s■■D3c■k"■■■,5GS■■(O■%■9■\■■q■■9■■■|`d■j■■6}■■u■■■(kS■e■■■%■9■■■|cadyk■Õ■■■#■SsD■  
■V0■■■impL■)■■■`\■■■■■■;■■■■■■■■h■\_■■■m■2f■■■■■■6■■■hx}■■■m■■■h■■■■■■d■4■■■|■#■■■+■■■■  
■■■■■■6■\_■■■■7■<■■■ZF■<■■■■[■F■<■■■|■4■■n■lxH■■d?■■u■C■O■■D■■3.■■■■■■B■■78>■■  
■■0■■op■<■-8■0J■■s■■■■7.■■■!■■~■■■■■■k■Y■■2'■■■[d■y■1/■■■■■■■■■■&O■■■>■■■7yb^■■■d■■■  
VT■;■■■■■■■■-jT■■E@D`■■5■■5F■■■\*■T■DE■■■■1■F■5■■■=■&e■■z■{Y■Z■+■53■f■■■w■■■■■■■■  
V■E■@4■■■U■■c■■■■■■<■y■■■W■■7■■■\*■■■T■(h■■■\*■■■&F■■■X^EX^%■H■■■■■■JdF\*Py■QyF■■■■■■3■  
L^EL■■■\*■y■!yF■■■■3■EL■"■ψV-■■■■■■<#■T■■■■:■■g■■■■■■E■■x■j■3B■■■■9F■■■■■■U■■p■■■■j■■■u■■  
■wF■M■xW■xgD■  
■]E■Q■+■■■\*■■■\_tW■tgDW■  
■]5■u■■g■]!■Ψ■\$■■■■■■o■lgG■■■■l■Xv■■■}■■■■■■■■q7■■G■■;C■■L■■■■;C■■L■\0■■■w3q■■■qg■■■■  
^-\$r7■■!■n■■+■')■■V■■q■■■■3D■M■■}■■■■■■`■Y■■■■w■■■O3■w■■■6■x■■■3■■L■l■■■3■■■  
C■^■L■[X■■■■-■■■R■■■xm0■<[■■■o■■■%i■[■■■■S■3(■x■■■^ω■/■■■q■■,E\_■■GO\zd■■■/■■■■^e)■■p■6■■  
■■■■&~g■■■■ym01■■■g■■k■■■

```
<XaX)&8V
3Fq0j$cc+(8V5y08V5{2Vyy&"'y&"U3F=2L`LXV
#+0@L`Q
#.J0W(=eq3aF8=Ufq3iFgLZJ$53T
T!2`W`=Ög$3\<E!^&~g{m0Q$@ [ {ft0{f
#.3V53jXa;`f
13V5g&0=3a=C$I$ {FgkH Wgk6Y<"
w3u
#n&.gsZ!Z!v;a;1,`vb`F*L aU`h.mMOg6O3
{)
X@W~y6x6|i'$$$9Tgss]S3z@Wss
5.pSbQc@BbQC`BbQ<WY Pw+4(wzR=@;Vj]
tg%.
@V.
h&nP T wjU i* w* <Zj
j
5S.pV|qB UM Xa d [j
j
q]|B u U & n W x * t X ^
5.pOW h n P t W i + K + K R
#f T </0b. K + K R
# $ z ` T ^ i ^ * XaD H / 0 [Z 0 M ^ % pzi
# Z + @ + h + + M 0 7 ^ t ^ t ^
. K + P @ F K @ R
# WK` R
# ^ K R
# % P { b m T > u ^ XaD p / U 0 S ] / K @ \ % n j . K w 5 Q _
qo -X S ? md a Mn + {AD z o } / p3 x 3k p ^ k .
7 n \ A ^ / + Zx N s T b {7 n W h O V V g ne i % q D ; 6
V a W t ~ p [ = 8 S v f ; o N o * | + n6wV " 9 g ] 2
$ B k x c Y L ? > Ko ~ P ` ` P & W i c E q P h G d ! B B
O8 q p " N m _ - h f l ? ) / . dt c F 0 u ' 2 b t [ kHz m S x A ç q g 9 /
9d w | a v g > . 0 M xw w / s H > m % u mx ' 2 E > m k J q
X " B | j 3 u * T ) y _ d P S " Qw =
W H
j Eb G 7 ; WMy # / reTd E ; + ^ ZN nt 2 ~ p V : t O W < ] p c 6 n
rM Gs ^ 6 ' r g L z h > q { K Z _ | ; + 6 X W y N h B ' uv Qw | { VO v / 8 Y
15 M ^ VA [ dj k bg 6 ; eDZ g E | ) - m 0kHfg Q eB u J p
5 V z R - Z ' drP ] % o ; a \ 6 ^ W } ^ :
xX u b6 8 J k W i , | J OnZ { r o W ^ , < nf [ g X N T } ; 6 9
= c Jf L T \ z = U Xg f : S Px Ze & P ? # b 7 U B ] ] e [ 3
endstreamendobj19 0 obj<</Filter/FlateDecode/Length 28274/Length1 46732>>stream
xzy|[9w\Z-[dY-Ye58Nbb
%)k0
!,
SZJ_i eB+ ) m k L X ; W c + _ # , _ , : O Q p G
{ . YO F } m P re % o B W > JD o \ 7 w o g % H . R2B _
J S(UU : x o v ^ . B N w ; , ] m x v } W V6 9
a ~ h 0 e + ^ y ' J V - & { }
` _ [
&8 % m K - V " 8 } i2E i g > % G ' U , < N | ( j
w . , @ ' < ) a 3 = 7 E ra 0 E + C V ~ V % = k $ i dp Q / ? _ ? Wh { }
g ' S = 4 @ 0 zc < ? ~ j b ww M L = ws = # ' ! ' gnvd n r # p / / 2
< > w \ = } hp |
S # m ' n i 78hi " " d t t z0 ' ) Ai l c 1 6 c c L ~ L U B K x e L b . ' t }
e g = g - [ w - K | ' X n 8 v G : . f C @ ' v ' ' ; F | g W f e
] t t 7 n @ g M0 & a n f x & 0 U t d U E x M P 1 < A RHD I 2 X
N Z ; p " c y O cw G z m [ ? @ , R r P e ) F ( ( A F š L p l t :
```

#####eb#####K#####\#####@D#####W7xM#####]\_#=######nJ#####hA#####  
%#5#@#####5#####"(#i#3#####Lt#J#####x#####F#####3#####\$#j#####ob#Zf#####i^#####Pv#36#####(##Y#####0#####@#####  
#p#####(#####m4j#####.M######A#####\#####x#5#####(##A,#`a#/~1#i#i#####@C#####I9#####J#####c#####\_2#####  
k#####b#####C#####z#k#####z#####W#####m#####-C#####T#####7V#####  
~ky#####I#####<#s#+#z#####1r\*#####[u#####&#####x#####š#Ole#D#####8#"AWm#####:e#####x#####?#####\#####T'#####ga#<#####  
#@K#####c#####?#o#####?#####/#####?#t#####NF#i#%T`E#f#NT#PW#/######j#####y#####U\*#####q#####Y#M#####  
#^#####6p#####g#e#fr#####i#"#####0\_#m#p8#####2#####xHn#####j#g#x#####@#,{#d#V9#6#>#####s#####u#####?#####=F#####  
#####lu#T######H@#w#####e#[qi#0#(#####g#####[VU#####uk#####N#<w{-6V#####]#####uShN#####64#e#####`#####  
#####d#]#####?#193#%n=#####!=j#####~#=##u^#>#q# @#####M#####Σk#vFl#####m#D#=######k#####{v#D#####H#6s#R{k#b#####  
#[#####\$#####x#!#"#####Lly#####\#####c#xX#####Yt#u#3#####r#}#5#u#{#####b#Gr?#####?#####B#####y#,#Q~#####\N#####p#####  
#-#####&#####L#####`p######,#V#(#####1K#####i#####73#####V#B#####{#####v#####e#####)r#JR#####  
#so#####y#<#}#p#####Tn#####j#####'VO#a#####p#####  
b#####+Q#####R#l#e4\*#####9#[O#c######Q#####>k#####. {#####\*W#####j#####<#7&#)S#n#####T#Z#KTX#Fj#Qk#&#####  
#D#n#####5J#####\$#####NZ#####/#/#####GO^#####v#Q#K#####i#K#u#####a#B#####X#\_#####l#X#####(#####\_#####  
u#o#####l)#####-7n#Q#####E#tL#####?#-f#H^8#h#\\#####{&#####f#####R#C#####Q#z@#x.#####u#3;R\$#####u#X#####/T#####  
#m4i#####Y0#1?h~#,#3S#####Ad#j#c#:##HpZ#]#t#@#l###F#a,<#\_#####y#####]#####^#####k#####BH#####  
8%#####T[">S#####N#<#eS3#####x#>Z#d#d#dE#####?#Bv#####p\*Wa#####V#####T#####'#####B#####W#\_#####VJ#!#####j#G#####  
#####"q# #n#ya#]#<e#9#####'#####gO#a#]#-#####Y#####u#####+;4#\_#J#####4=#U&#}~m#=#G#####O#####  
#####x{#####D#l#5#A:##7#e#G#Y#|2Y#)\$)#####sok#####\#'######Z#####E#m#2#####9#~V#####K#####  
l#####bl#####@c\$#####B-#J#/#'y#>#-#####:#####0#u#####Va[w#####w#####2l#####qj#####b#f#####o#####!#P#####N\_#####  
aRaR#<k#####d#####4#####|+#####O#####yvHn#####  
  
#####H-p#x#####{ww#l#,#-#|@<\$s#/#k#####+gR3#j#YU#####T#/######C#S#####c.#####l#v#B#####&#04l#####2#####  
#l#P#T#l@#####  
#####Tr#Vh#j#R#Y#R#####Q^#####b#####L8#####l#J#####"-#.#.Q#####j^#####ed#E#r#####;#####Z\*#12#####q#####  
#(#####W#####<d#####HE#####[F#9#l#2#[9#Vs#####2H#####?#=[#####U#####VW#####Uu#5#T#####/Q#QP#####z#K#V#J#####  
\$1f\*#C#b#####1#M#C#-eLM#B#####qw#####q#8#q#####],#####4O#Ma#####\#p#N5c#AY#0W#####P8D#####NCUMI#####  
Q#####0rUktc\_K# ######V[u[EM\_g]\$h#W#####t#@Mf#g#8Bj#nC#####V#?#####D#####+#####j#####E#4#####  
#####|&#  
#M=#u#####{#####m#####9#####9#####QA#L#C#0#####/#N;P#####z#####U&#####T/######2#OV#####  
#####+#####\#####k#gPh#`1#"#.#####us!F#E#####tvd#Fb#9m(#####J#qc#####M#:/Z[#j#Om#####1#9>#####  
vH#K#%#R#####l#DV#####f#1a4j#####H#q#D#;85[A0#####4le#<#%#####hz#####y#\\?/#####z#Z#####C{#####  
#####c#<#%#####t6#u/#####)#####mMe#>]#####<#####,#rtc#v#w#####D#N#zs#####K#####  
mY#v#w#####U#####jKC#E#####Jsw{x#t#####L#k#####  
r#=#&#&#u#####j#R.#H#D#A#p#,#ha#####  
1#R9UI#b#h#H#!#-#####z#####  
#/######b#z#Y#####One#####j#####^<#o{#####.#####m#####=#)v7#####;#####]#####  
#T#0#####R#####U#####e#hx#h^#####Jf#y#####+F#####/a#q#y#####o#m#}#####F#-#/######gt#K\$Rh#<#Q#####  
#####\#####6^cBW#-#q#####7#####>#RWm#~D#R#####^U#####Q/#M\_#TO#/#d#i#####]#####?#####Hz4[yk?M#####  
#####SX#"#\$#8"Fg# WIOV0@###.#####Q#rT/#&#pNce#:#`#####^v#l#{#####>#1y#>#####~GV#sK#####h#%#####  
#####~c#####Pbl7#####Dj#####k#=######{#####J#####!Z#####\*#h&# ######9h#k3Hq;#####q[T#nDi7#D#####z#U#3#####  
#####o#H#####-j#1@#####i#qq# \$#m#R~#M######  
#####+#####R#j\*#JQ#x#+k#####nx#####U#f#:#"#####w#####0x#####p#}\*#####  
R#####Z#C#####6#3#####T#P#h#r90#y#2#T#+#\*(m###,#4#####Sexo#Db#<#####\_#####\*#\_#####%;#####  
#&#Q#a#####"C#S#####9#####B#B;#####{p#####J#####7#####E#####]#####X#####xp#e#####6v#####Gz#Z#####  
vJ#O#####  
#####d#p#####g#####8)#####b#-Q#####\$#####1#H#!#cU#####a#>#T#i#####\$#0#####Jf#cA#Z#7#O#L#[#q#####  
#####W#w#"#@#m|#####~#C#M8G#~#R#####^#####.&#{#####Q#####`#i?'#####Z#;#####g#Yh#f#hl#####@#####W+#####  
y#D#l#+#####^#####\$###+#####  
V4#####n#h#\$#####tUO#J#2]#####.#@#2#R#v#####T#+#F#####M#/#x#####g#j#k#!#5#v#####b#{U#####  
cG#####X#M#####c?#####N4#a#lC#####:o%~#0k#f#o#-4#b6/#{#p#{#####2#####+#####\_c#####(##[f#ryl#####  
MM#2#####W#####;J#kN#&#####8#f#u#####W'54#####|#####m#|#####y#####7#U#M#####2#S#####Wz#####  
#####~#J#####l#Ψ#9#####p#V#####W#J^V#####IY#####l#Mbt2#nm6y#####5#.#PxCXw#####3<#e#in#T#####  
[MM#####  
#####O#H#####Y#####@#####%#:#m#####e]~###;#c#b#####V#####T#####  
#####]#####+O#4H#N#####M#####jZ-# #d#####}SÇ#a#####]7#?#Ppe8z#####R#Z#<#=#d#m#####\#####jtl#####  
)#D#  
#####]#`#E#####\*#####Q#####-B#####f#x#{#Y#t#####/#####L#g#####|#####-Bx-#####j#2#,#\_#c#####X#p#####a=#`#`C######  
#####3#f#R#####6#M#####)n#J#H#Hv#{#r#[p#]5l#####7,{#####|#####tq#U#####K#####z/#&#Q^<p#####

■WR■■■■■■J/■P■O■G3■2■3?■■X■■a■bT■I■[■C■+■}■Sk■■■■HW■|■■■);■■'■■■@■^Up■■■=■■\*■i■■hA8■■■c■■■  
■■■)\_oP■■■1i■f■■■2'■■■x■■■■■■■■■■v■■■■■■p■w\$51"■■■&7■VH■■■■■■7■6■■■■■■mq■■■/■■■y■■■{■■■t■■■p■Y■g■■■  
■■■\_aU■■■'W■■■"o■■■[pzVxw■■■■■■■■■■{■z■sa■■■■■■■■■■l■m■■■■■■6mc■■■\■■■}■■■Oh■■■■M-■■■■■■8■■■+z]■■■c■b■■■■■■^Wv(■■■  
■■■[■■■Ok■■■)5sAW■■■■2■■■7■Z■■■■■■e■■■f■■■■■■r■a■■■K■As■■■gpY■■■■■■G=■<■■■=■yX■<■{ZF■J2■,■■■~■■■  
=■rrqa■■■}■/■■■■■■L■o■■■6■■■v■■■yh■=T■8■@f=■■■}■j■'+■■■■■■■■■■cG■■■c■0■■■Q■<■j■+6\*■■■B■■■\_■■■>■|■■■  
■■■r■■■'y■■■ ■eYm■IQk■}=Ijng■■■E■■■■■■Q:■Z■q■  
■2■■■■■■:■H■\_■3Y■■■■■■>8■q■■■p■■■|■T■:[ilk1■`■■■v■■■S■C■\_■?■■■"1■■■■J■m■rF>:■■■O■\$q■3■■■s■D■T■■■  
■8■"Hw■A■I■■■■■■n]■■■ap`■0■■■■■■■■■■@)0■`■■■w■■■r■YK■■■K■8■&c0■c■X■■■+■■■■■■■■■■V■+V■M"■■■|■■■  
K■■■6],■■■K■■■0■lv■■■■■■w■■■oF#■■■■■■/■■■|:■■■λ■■■s■■■  
■■■hC■q]■■■n■■■F■-■■■S■■■8jk■■■X\$■■■)■■■<■■■J■■■uS■■■■■■:■{m■■■6■■■gz■■■tvF;)Qg■`■■■■X■>■■■  
k■'~■■■T■28■■■+■■■\■■■S'■■■■■■S■■■■■■■■■■>■■■8Q■G■■■■■■W■■■r■■■■X■g■■■%■■■■o■5Y■■■■■■  
W■T■E■■■■■■b■■■■■■m■■■■■■deuuec■■■■■■XA■■■■■■xL■00yyb■■■8a■■■■f■■■QY)■■■f■■■■+■■■■■■■■■■p■■■  
■■■\■!■■■ò■■■9■■■]>Z■■■■■■H■V■\■  
■■■k■b■%g■■■■■■R■■■Z■z1V■■■W■■■■■■z■■■■■■KKW■■■■■■N■■■e■\oU■■■6■■■p■■■\_5■■■■■■"■■■■■■]■■■■■■■■■■  
■■■■■■n■■■5#■■■■■■`■■■■■■u87■ze`■■■■■■X■■■m■■■■■■■■■■[■■■U■■■!d■■■■■■V■■■v■■■Q■■■  
■3w:■,\$q■#d■■■d■jF■■■\■V■Q■m`■■■/W■■■■■■B■-■B2g■■■e■e■1qS■■■G.#W"■■■■D■|■■■■DWEI■■■■■■  
  
■■■2#■■■,[Y■■■■■■■■■■\_■■■%W■■■,\$f■■■kWk■■■■■■+o■W■■■N■|■■■■■■■■■■:O■■■+■■■I■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■  
■C■■■■■■^■■■■:d■■■\■■■Sb■■■■■■\*■■■V■■■8■~■■■■■■@■D■L18■■■i■0■■■F■■■■■■%■R3■■■■■■84■Wœ■■■8-■■■■■■D■■■  
N■■■■■■P■i■^■#■■■AQ■?■t■A■■■■■■f{||■■■T■■■?■■■4A■■■X■UD■J■■■■■■T■@■d■■■a■&#)N■DI■■■G3%■■■`■■■  
■E■■■W■■■■■■R>■■■■■■sf■■■3■<■■■:■^■■■■■■■■■■j~■■■■■■■■■■wH■■■F■o■9■B■■■@■■■O■4wr■y`■■■p"■■■  
=f\*XZ\$■■■■■■F■■■[  
■■■■■■[y9■6@■■■g/A■■■■■■■■■■  
8■■■k■■■&■■■V■■■<■■■■■■x■■■F■■■■■■7■■■z■■■■■■B■wPB■U■■■C■■■x■■■3■■■[■■■■■■2■■■  
q■■■■■■|■■■E■■■+■Mr■  
i■■■■■■b■■■|■■■J7■■■■■■Gz■■■/■-■■■{G~■e■■■■■■k■(■■■|■■■)A24■■■\_■■■#■■■=■■■;■■■o■■■■6■■■Y■■■■■■;V9■■■/■■■  
■^■■■é■■■■■■cr■■■\_■=■■■■■■■■■■C■fD"■■■■■■zf■ny■■■NzoqOk■■■■■■Ve(■■■■■■5■■■k■■■p■~n■■■-■■■M■■■:■■■  
Y■Nr9■z■■■a■]d■À F2l■9■■■-■■■c]■■■■■■■■■■]■■■■■■+■V■n■■■y■■■V■■■■■■■■■■■■■■■■■■4■Cs■■■0a■y■■■%■■■  
■CCF■■■■■■!(■■■A-■■■=■{■■■C■■■efg`■■■\*■Q■■■8■r~■■■U■W■■■ve■■■\*w■■■4■■■#■qx■■■sX■■■KW■K1■■■{■■■  
■}■■■■k■?■i■■■,■■■)(■■■■■■i{■■■:■■■v■■■■■■■■■■X/■■■=9■■■&■■■.■■■■■■|■■■^■■■-■■■g■ù■■■i■X■A■j■cq~■■■x■■■  
■■■■■■6D=L■{■■■■■■k■■■  
\\■■■N■X9■■■j■x(■■■x~\x■■■:L@■(■■■q'■■■t■■■'■■■>t■■■,■f■■■/■k■■■8■■■)■J■T■J■J■B■j■S■■■■■■S■■■■■■)■■■V■■■  
■T■■■■■■Q■Q■;U■U■j■hP■■■  
■d■■■  
■{■k■■■-■■■)■e■r■■■  
■■■a■■■m■■■jn■■■■■■p■■■■■■v■a9■■■k■■■%yz■■■~h■■■X?■■■■■■1■■■:\K4■■■LO■■■\_fj8?■Cw■>2■■■■■■!7■6J■■■  
■■■■■■j■Ba■■■f■■■P\*■■■■■■O■8■■■=)■■■■■■Z■■■>0K■■■■■■■■■■Z■S■■■■■■X■■■■■■i■+■■■■■■kj■<■■■■■■ifE■■■  
■■■r■V■J■@■■■=b■3■■■=■■■)L■f■Zm6■\■T■■■■■■`ef■E.G■9■8■■■■■■P■■■P■O■CA■zz8■G■■■■■■n■■■\_■^■b4Sb4■■■  
t(S;■[■■■h■■■U{■■■■■■c■S■■■:■■■|}■ku■F■q■■■■■■Y■■■■■■gR■C■L■?■i■■■]■F■V■■■■■■k■Ym■`■■■w■-i■■■J■■■f■■■  
■■■■■■<-■■■<■■■i■■■■■■r8■e■■■■■■e<■■■8■2■■■\*■■■i■■■■■■M■K■j■■■■■■r■■■>■■■MV■■■y!■■■-■■■■2X6■lq■S■■■  
■■■■■■v82P"Q{■■■\_■■■T■■■■■■/A■■■c■■■\?■■■B■i'■In=s7■}■■■■■■'■■■■■■Fc6m■■■μ■■■■■■h■■■!■■■■■■h■■■  
■!■1@G■■■H■\*8■■■■■■Y■■■■■■k■■■■■■■■■■■■■■■■■■■■■■^■■■  
■, @■h(M■■■■■■@g■3■7■9■■■nt■■■■■■+u&■\$■■■R■■■q■■■1■■■B■■■■■■7■2■■■w■■■1■■■■■■7%sm■■■4■■■<■■■  
A■■■M■■■■■■"■?■■■vum.U■P■■■■■■n■■■■■■]■■■■■■@ZR■■■■■■\■■■■■■O'u■■■2■■■rU■■■(■ê■s■cN)■■■\*■0■■■  
■■■U1z■Eq+■■■K■■■k^K■■■`■■■\_■■■nFb■■■]■y■■■■■■a0■■■■■■]■H■■■]■■■■■■■■■■>■■■T@^s■■■d■■■■■■\■Z■■■  
■h~■-■■■o■tL■u■■■3■7■v■z■+■r■■■Lu■■■@G■■■L@8e■■■.  
<■■■U■■■8■■■'8■■■mG■■■■■■i■■■■■■G■■■■■■?■■■`X■y■■■■■■8p■.  
■■■\_■■■jypbX■■■■■■■■■■r5■■■n■8■=■■■■■■>gs■■■E■}■■■n■■■]■■■■■■■■■■■■■■■■■■■■■■};■■■■■■σ■\*C■■■~■3■■■■■■;■■■  
~NO■OO■■■3■■■■■■fhpd■■■■■■K■>b■■■?G■■■■■■■■■■■■■■■■■■■■■■)■■■M■■■@■■■tN■FH=pNZ#■ajq\*■■■z■■■^■■■■O@■■■  
K■■■■■■0■■■9■■■■■■A■n■MÔ■■■N■=■yd1■0■{#■■■■■■■■■■■■■■■■■■■■■■  
■"■■■■■■^t■■■■■■XI■A)p■Nd]■■■2■■■O■■■9■cN■■■g■c■.■■■\7■■■%■■■sO■■■,■■■qx■+■■■■■■a>■~>■A■■■■■■  
endstream■■endobj■20 0 obj<</Filter/FlateDecode/Length 518>>stream■  
x■■■TM■■■0■■■+r■■■=■■■B■0■z■■■mgO■9PH■H[(@)=■■■ob■■■P■■■■■■8■[■■■]■■■■■■z/Gv|■F■K■U■d■yj;■■■k■■■  
■9■■■■■■x■XA■■■b]■■■■■■■■■■F■■■  
■■■■■■K■`■■■■■■I■ ■M■■■Nb■■■D■■■■■■P2■@■■■|■f■K■v^■6s■■■■■■>■■■<\_■%■K:■><■■■■■■■■■■<j■■■M■■■"■■■■■■y■■■  
endstream■■endobj■21 0 obj<</Filter/FlateDecode/Length 19078/Length1 65184>>stream■  
x■■■{[T■■■■■■y■1y■y■9a■!■0g■■■■■■0■■■(■■■■■■IH■l&\$■(Xc■h■&■[■m-■>k■■■\$ZM■Vj■■■z■J■■■■■■^+■O\*■■■\*■■■  
F■■■e■■■■■■Ay@~(mÂ■■■Ç■■■"■■■\_■■■■■■■■■■?■`x■#■■■■■■3/■■■=■ywg■■■■■■■■■■\_■■■rW■■■■■■■■■■x■■■;■■■  
■c2■U■■■■■■■■■■[6g■9w■■■R9C■■■.■A■■■yr■S■■■■■■)■■■Mk■■■Y/■N2■rFK■X&■3EE(!W■U■1■(W■v■■■V6V■■■■■■

████`S██████████;e sp██z███1██████  
b████m██████e████B J███"R████k6███A█13███fges;Bh`███8^█/████h███[█~████f█:█Fb\$+██████)cf███d██████████8  
M█L█M████-f;b;j;n;e3█0█2=nz█t███)n2███9█ █!███<███  
████5█u██████Y███N███j███C█1k███q=s███&███&ā███@\*0TK███i██████████iu█B!████PX=███t!)z█t███>=█P0G███  
)███+\*███x███]\_8███x███;██████?███f\*4C)R█H█@█R███n███y?███b███M█T███c\$██████████  
███w██████3█u██████±██████i███z███>███=+█2█q███s███V\█w<e;y,██████IU█\*█z██████@█r████4████4o███<█,██████  
███S█m(█s█au███████/█W███████v█\_█C@c█;██████8█e?█U█g███a█,██████p7██████+██████@>,D████W█:████  
h█n█:█^█ø█=███b█/█5'███\$█,#███\$J█D█X"█████`3Z██████████p██████████!!███v2&███|███~█C/█████{█0<███> █L█  
██████████N███~!f█S█F███7███K8  
████████bX███v)█0█}███&███W█\_w██████u^██████[███?@██████h█3████O█?█8██████████d█\█████W5i"███████#█  
Je████b███8█84qb@;█P█p████S██████W████Z█g█\*█V█&███6hE█████k"/█Z█q██████p█Zy████3█<███m{█^E█████}█q█  
█R████s█&██████████>"███t███|███hs████/████J█B████d███"\_██████v██████████e███h██████GF██████████4F\█  
`██████lc█0L█L██████8b██████~█β█Δ███v,F3&██████?██████>███\█k██████W██████████=W██████N█  
o██████████N\O█&N███[██████if███6███m██████-███IF███P█J████7█K████Mc███P██████5)████6██████!&███L███[███6█  
███X██████Y█aKK███N███|q█4█d5[-███c██████Y█7██████████y2██████b1███████%d███████  
███)S███|███████`\$█,/███k████1███(d)H█o/█O███c██████████████████~███|█t█-███{█N███████\*███9%H██████}W?███\$█>L█  
██████Ω████4&81N█qe████P███d0█\$█`█,F3N<#█-!███6███d███████5███e  
█jL█&███'██████'██████2<h█k█g█2<██████████d███████████w~E███!yO█`]███;u[█████#███G███K██████Dx██████D█#█F█  
d█&███3███Q6]#6███████i<\_M███C█W█\_█.L+█O█k███yy█|k███RI█████;4██████2█`j>|██████|██████f██████████M█'████  
█.█]█Xh.██████████|██████████Q█████-███ts███J██████m███yH█J██████bL█████<██████Y^███%\*█,Vk██████Rm]a████0([o██████Y█  
/█\_█e███████%,█B█j█V█,███|6█WJM███k█p███k███uxH|██████|?█\sH██████m██████N6\$J█(███&███6███f███H\$█b█M█  
V██████Dc██████3██████s███E█X2█2███6█T███F███████████j█|█'Y███████="4dx██████u█u,█~3F███████:██████+i\$█  
███-EB3███Xn███████████6a█YxB█%█!███h3██████i██████g█mA+███Ni4█\q█F███1███"███&█Q█\$m@█A█6█,~O█Mp█  
█=xE█=███Z███s-███████B█|█.x███<;PK███X+██████o███">███os?█G███X███w6███████6███q███████████h9█z██████0█  
██████d'█H█mC█;█F:BQ███████  
#███Z█e>ob█QV██████████k██████tS██████U██████(██████>█Z███|██████J=J███6█XS██████████(W█(█y█|CZ█y|Q███¼███fi███  
H!█R█Z  
^@k-███████████.██████W^██████N█&███X|6█+██████████U█]V\_█\██████████5C^Q!██████████Jy█u█r█  
███<^███\*█\█n███████0^███~███████████O███████1███████████b^█.█R&V███q██████?)V█%█`b██████K,███|██████████(P|█  
█%███/█^███0J█1^>█(\*d█|█IXr███u█████.███b█},██████K███████H███\$█%█%/██████KJ█L^>0█U0███`██████████████████Lr████  
███  
█0████PP█PP█!7██████\*███:██████0█T1███a██████████████████Cn>███U███u█r█a(█b(███████████B█:█q███h█D███8w3█4█\$████  
█dy███ZT██████r███\*███████n█8u"P█Ō███W█X█.X███████\$███x███████X█B█n███J"h███Z█9█X(██████████████████%███████████  
g█L█B█.███p███O███████P███V█@██████d+█a^E█e+███v█{G█████.███p██████-███x█;lo█5d██████  
g U███.███pF███-███████/o██████████p+█qJE█q+^=█8█h-███████g█B█&███████ZQ█`███v█9██████-██████████?█&██████]  
██████Q,\$█\*██████&>F███{██████w█{█w█1█{█}█&ee███}██████████X3█af██████}██████S███t███o█#███Q██████rX█  
███████x█q█%G███████S\███████:███████#███████#███t███:███9███████@███H███████@███v|██████A███:██████B███9███M█,███u█  
█<CL█S█G███g███3█J"█\$██████g█D█D█!"v█LL█[█P█".█1██████yF█R██████\|███i`█,██████/█J█%█j███4█0██████c█h█a4OD█  
#W'████|█0j███d█K█0j█%&@█\b█QsO`█\b█Q+2███████+8{███Y███F█>r███\b██████/█>███%V██████r███\b█Qo███@███  
#.+p@█\a█Q██████9.,#███████=███e\$5███J█q███|███s██████████████████>█N█q███|███seVF█  
██████████\g██████z██████(███V█q███EM+███s|F███\_█h=G███N█c██████████████████"█^███7█S█3(███{c0Q\$@███[███████{█  
C█████n█████f█G8█  
Y███s█.█E███████████████████%&Aa██████████████████>G███n#███90|██████1██████Aa██████████████████P|█>██████sL██████f██████c█O>█  
█]█v███5O███.q█V███████|███i█F█T███K█U██████6███8V█5W███.q█V███████|██████F█V███K███U#.█K███████q███.█w█;█j█  
#f█  
██████████<█4█0b███████+███+██████+███J█  
#███████z█a███████  
██████^i███^iXaD██████H█t█0█[Z███W:V█q██████L█t█0b█E███^█Xa█Z█  
@██████████^█XaD██████T█t█0█G██████W:V█q██████X█t█0█7███^█XaD{█\██████V██████████+X^#███████{██████u███^1█0█E]█  
#v+██████a███W███P{███6u███^1█0█O]███W███+█hTW███████  
#:██████{█K██████~███^███:q█\_███W██████N\█W██████████████████Q█  
█B█^█K█  
██████\_u███~██████u███M███W██████Nt█(█  
w███F.███\_█R█:█o██████+k^██████@|██████D██████p█y█h9P██████.7███=█  
8██████u███\_███W███+███XP@███n██████m█  
P███XaD███████V█5██████p█Xj█b█4\_!█o█6█T██████████+██████████  
█|█\$V███WD███████+"UP███████\$('██████████y██████Of██████Dif███████{███v(███y███████o██████PdV█{^█vh=██████DZ██████████  
y█/\*█S███N\_███bf███████`█\█9Mzs"█3███δ██████████████████?█Z███M█^H+██████P█v███████████M███+███<██████olLw███████  
██████

#####nF#####T#####^;hN#####T#####^#####9#####\_#####K\#e#N#####2#e#####4#####y#####&#####Y#####  
bL#####79#####3#####Um#####iF#####F#####y#s#j#####+#####^w#####6#d#####;#####M#s#a#####\#>g#7#####J#}s#####\*nc#  
#011#####`#x#####~w#####6u#####;L8x#-#A#%#N#####9(!#####F#####Z#D#)z&#####=3#####\_#####6'z#####'#U#v#####  
#####k#[#####k#vp#####W#####t#####m#####q#""#.L#n#####1jj#eG#X#a#####|#####m#####Z#####A#####^#####|#####  
#####Q#####?x#####U#L#\_#####\*#z#x#%xw#####98#####q#φ#####:#####~#####^#####  
#####>~#####=#####U#K#####W#####gO#####+#####u#QGGM#?T#p#.#5###t{#####\_d#####K#;|#####5#m#####m#j#####{0#s#####  
#####K#E#####i#?#g#####?C#f#####?C#####!p#]#####b#z#M#?.#####`#####-#,\*#]U#####E#####SM#####  
#}.`x#####}#####  
=#####W#####G#####g#####z#ey#####z#qx#####/#c#####x#####z#\_#Zq\#####&#####8"#####  
#####C#\#a#####C#####k#####[#####[#####r#####?#####?#####P#####B#####-#####X#####u-#F#####C#####  
#d#;#####4#=#4#j#####o#####uCc#####=#D@#####~#####,#>BC#####Z#####e-A#xK#####%#####k#1~#####b-#zo#####  
#]v#####i#####M#####V#####az#####S#####\_{#####y#####[#####c#####la#####9#V:#####~#####ee#####M#|#####+tj#[#####G#####  
endstream#####endobj#####22 0 obj<</Filter/FlateDecode/Length 3106/Length1 10360>>stream#####  
x#####Z{[#####}8#####v#W#####6%#!#####M#5mJ#N\$#<#h#-#-h#ob3#l'm#e#|K#"#####n#C#l+#####F@X#####?P#!!#####`#####  
#{7#n#####h#####b#####@a#####z#####at#!!<6#####c#####@Q&#####h#####\_o~#####+#####Gc#####}#####k#####F#####E#~#β#E#  
#)#####2-#.#.#####T#####v#####6#K7#####2#p#NU?#####{#####  
C#####Wou#F#L#@#####U#J#^#####7#1eM#V#]z#####κ#####.#####\*4y#####2#####|#####1?#####a9<#l\#####  
#l#####nnb#####m:x#####p#3#####2\_J#q#####[#####mj#-#C#=#á#####u%#####a#####[#####s#####K#####(n#####vl#####a8;#####0#####  
#C#>7#####o#####w#8Kv.Z#####d#5#i2S#####L2#####Mn#####O#>^f#6#####=#Lv(#####M#####s#C#####  
#\*#####d#####e#X#####w#{7#61#####v#R#t7c#j#####n#####L#####eRqY#d/#####(#####y#2Q#####[#####e#x#####9#####  
0###/4#)U#####q#|#####f#f#d#T0gYq"#####h#####b#u#####uuv#####&\*#####s#l#####\*#(>#####X#E#####[#####!#####V:s#R#####  
#)6{#####Z#4#####|#####)9q#####G#WY#####r#####p#####  
#T#,-Xm#####Y#]#j#####477[#####+#####gSk>#####3#####&#L#####+#####8}#kb[#####  
#####7#####B#E#####E#z#"v#####E#####y#####1r"#####y#####|#####Sd#####o#2t#####>#####'#####|#####\_#####Ëy#####  
O#####~#####Y#####O#3h#9#-#-#-@#####-#-#4#####A#####Y#P\*#6h#pL8#is#####|A#####4~.#####~N[#####Y#####r#####  
#####p#####C#"Xl#####ft#Ux^#####?#####1-#####}#####i#####|#####f#####"Q#####(+^,#####Q#####PDM#####R-F1#####q,#####  
\*######|#####v#####\$p#####)#####i<#####"#####/#####X#####P/#####n#####F[#####  
m#[#####\*#r#H#####%[#####@#####eq#####p#P{#G#?#r#/#OJ>#cH3D7s#B#7!#####2#c#eQ#(#####Aj#9,#####xD#####  
endstream#####endobj#####23 0 obj<</Filter/FlateDecode/Length 226>>stream#####  
x#####]#####j#0#####~#####  
#####Cq\#####c#C#####|#####JfXl#8#####e7t0#####}m#K#)#####[#####9,d#z#####L#r#IG!#####9#####!#####ycqN#####  
endstream#####endobj#####24 0 obj<</Filter/FlateDecode/Length 18204/Length1 58484>>stream#####  
x#####}#xT#####3s#####f#}#&#3#d#L#O#####G#####Bx#####(#####b#"#####z#E#U#^#####!#####^h#####Zmm+#####X#m#####  
]#####w#####]#####P#####|#####0#q#####M#####r#####~O#####u#####|z#####Yb#####O#Y!#8#####  
#>~#####^M#####d#####6#k#q#####RV#,######  
#####+#####4#####6#.#.n#####5b#####hS#v#Rf3a#####J:W#####[#####Z#K#Ra#VO#Z#####?r#####PK#V;#####z#####  
#pgf#'9T#0#T#4Y#S@#####):c#y#####F#t#P#Wn#u#####R#,yC#O#OB#G#'#####6#####@[#\$#r#L#  
-###.###Q#}DcJ#n#####s#####x#zp.}#####t#t!G#####Kn#####t#####Z#Y#####BY#~#####  
#####RV#22#@#####A#SQ#w#W#####  
#|w#V&#####h#####u#####eT#21Z#jO#i#(#####d#####M#>#####)#####\#P#h5E#####~#####B#  
#####U#8#####yZq#####\*#####~#####y1#j#####X#####3X#####6P#####F-#####iq#####!-01?\_#o3#P#|#####@&4#:#eV#####  
#####|#####f#####%#!vo#####%#!GH.#####n#####&Kr#-u#####sh#####|#####O]#####g#-#>#####QeQkU#D#####\*z#####  
#####X#kf#w#)#####}#####6#q7#A#####u#####>#####y#####6#;#C#F#####)D=#####-#####i#####)#####-#####N#####  
#####H#O#`/#####H0#####HP&%J#z#g#i#A#5l#!#N#F#####E=#####1=#####r#####  
\*#Q#####F3#r#####p#<#####ex#####/######@#####=#<#####0#F#x#####b#Q#8#####i#b5#####m#####u#pN!RX#####S#####  
#####w#\_#####>#####i#K\#####\*X#9#####kwO#####]K#J/#####]Z#jMau#####q#####(#####:f#{}#####%a#R#####z#O#####  
l#####i#J#Y#####Mc\*7i=q#l#l#c91#c9#:#zj#~2P#^#####6#v#7#\_2#####@#####-#\_#####4#####W#####r#o#b/#####  
o#}#jhi#[#####W(#####i#####oh#####5V#####V#####&#####\*a}#####)#####@s#####>#j#u#####t#####x#M#W#i#####  
#s#s#,\$#{k#is#fHiXU#####""#####e#####U#####V#o#^#####lJ#h#####N#r#V#qc#####1#####  
#l0#####-rW#?#a#####9#&H#n#l#D>#~#####-#####`#####/A#w#####q#<#####|#####8#f#r#####x#####:l#####9#####  
#0#####3#####C#####kG#b#Zi"#####d#####/#####1#]#####BA#####P#p#b#O#5#l#####/######E#####?#####l#####s#H+#####H#####  
#7#\#kq#####pf#(#####X#,W#s#####%?#\$#####1#####/#####)#####TG#x#b7\*/#####(>#####\2#/#S#####  
#l#l.m#####ZK#####x#####3q6.#####q#\#####T#e#w#;#'W#Dx#3y#####K#####""#%#=######  
#####X#####t#####^M#i#####EWA+#####l8#####Z#####M#d>#####t#####cH\*#####`#####  
#####Eg&#####S:3#####o#####r#####{#####=#~#####l2#####r#####UB#x#####In#####/#####[#####g#0.#####B#####E#%#####  
#####1'S%#####-#\_#wO#####{,#####l#####G#t#####}#Fn=#####8#<#q######9#<#####K#5V#p#WB#####  
#####|#####c#####/#####J#K#C#\_#####h#####;#####>#####?#####!#L#RLb#h(#####+u#####<s#####>#####R#####M/q#r#####  
#####Z#####/######4'#####!#####n#####f#^#b#)jC#~#,)#m#####F>QL#X#b#h8# c#??R&0#####b#f#f#####@#####h0YA4P#l#o#####  
#####τo~#####,#\_#####4#ziii#4#f#M#####:UinG#D>#####P(#####D^#####)#####z#,adK#%#####\$,#T#{#####6t#####zYL#####

[illegible]

endstreamendobj27 0 obj<</Contents 28 0 R/CropBox[0 0 612 792]/Group<</CS/DeviceRGB/S/Transparency/Type/Group  
x][6r~`Cef{p@b,obg-e1)>///|  
r2p~|oL\|^f k'z'a'}  
-6\*=1+b!l:ym#dAdM\%SO?ck]"e` ;;%Rxx<%TI2u&G  
C<@ (k B F uc T 2 |uS d 4+dK]L wSq 4' ^({Y o -,-;\*xK  
4-Ot: d,j Bu E Y z ""O)oj ob 7 t: %l{ [v E|K t yOd L; 9 @h  
 'l ] ; ;n W X 0 5 EF d (jG O!>2 L F O m \\\n  
E J,> q H' TX%!N H' P R , T F : l . 3 \_ R v 9 ( @ + } ] w : B T ) ¥ O ~\*  
 | s - ; 2H C 7J? B m){Th 0 } = y N ^ A % x  
 S b x z f , V RE Pna > J R v = j | q 1 x T e Re z T j 2 DU r% R \_ T <  
 M M \* U [ ^ V a a 5 = u A a x 4 f x A 3 H t 9 h m q V { W I F q G & x U  
 r # q d  
 . 8 | | - b ' + b B  
 " > w e . 1 \ = , } JB { @ J s 1 R Z + G t . = h f , % X \_ , \* ' K \* B  
 Z V I ; : s N Z 9 4 f a v = v h O J ? R I 0 ' ! L N & # , ' ò x  
 \_ / c ! ' | e 7 g c @ # 3 R X @ F H x x : 2 7 ; Q Z ; 3 + > ` 5  
 8 M J \* x . C N & O - W 3  
 ' N 5 9 O n W b 2 J 0 ) % M U ! n 2 : . 1 4 . ] u z 1 n ( <  
 < P + r V 9 D g A i M 1 G Z S y l { ^ [ z s i u = ) F 8 A A # J ' !  
 z o 7 u 2 B C @ X < | z c J P a l k A u " H . 8 5 9 D D F ~ A " c T 1  
 4 # | ~ Q | 0 Y U w S \* f G m P k 2 2 n q 7 ; . k 5 H m 6 ' ' ^ 5 = i 3 H E L ^ Y r  
 q + \* t Q P F W 0 C Q j E + p B - C a R 0 T W 2 j #  
 F " Z U q D & # ^  
 D % 6 q - f ^ z ? | R J B h t ! Y X . 1 2 B L Y @ @ \_ G + F E #  
 " R 9 u r | H L M w n . d X ) \_ \ K j V M ! \_ u T ; 4 S # 3 j \* L 9 D +  
 ~ + j G ^ Q i { J u - h / 3 H E > % Y O A ; | W g l n D j Y y z T O i Z R %  
 3 f x 3 9 b X 7 g Z r H r U , [ B g 1 @ \_ h a h q p ~ % B b 6 ] L Z A i B . l e X 7 6  
 : . h a c a < 0 Y ! D j L 7 2 d : > a V C 6 / u S h e : f y h E a ) S 5 L ? G  
 t V w \* | ( < ) ' y K . ) . G e 8 [ A e | F ! R { S G F E X b @ J p b = ( 3 , 6 p 7  
 go  
endstreamendobj29 0 obj<</Filter/FlateDecode/Length 32005/Length1 315140>>stream  
x T e & d Y & d 2 Y & \$ ] H X u U i 5 X R E + K m K E [ W [ y ? L 2 D  
 [ K f / X r K L % ~ ' . ; ; s F 3 ~ & u K \$ \_ g = m 5 s x g o X ; . ?  
 c : . ] = + L , ^ ^ b n ` . T ~ & ; s 6 Y ; 3 0 S | 8 w # 6 j 0 u < J C  
 ) { \_ A e 7 o " E n U A A A W i ~ K + 5 f B 7 = 5 ' x  
 c ' y o [ . k d N f = 5 N g ^ . V W > | } S r & p L m \ w @ f o w  
 g y Y i l Q ? / 3 # = - 5 % 9 g D G M F ^ t X R g a z | H Z A Y l - . + m 5 i  
 ^ ) | C \_ ~ Y b n p l 4 " 2 E ^ 5 t C F K 2 6 B # 6 ) ' 5 Q 3 1 ~ &  
 5 Q ' R e P # M > \ | & F X @ & 6 \ F ? h X @ O R | ( v ) 4 E c \$ , @ 1 C  
 Q x = a % T c D { } D / e V ? 7 L q v + 3 K X % U p =  
 h 8 " F % & % W 8  
 \ 5 Z h ( , \* g / , Z ~ E S g - s P \$ ' O i 2 Z 6 U Q b ) ( g S  
 1 ! # P Z m M q n s t , i ) Z / w # u ' A [ x e q q x U M i X ~ 3 A 5 ' \* @ 8 & - b  
 r 8 W z A | 9 u u p X J @ g J ^ ~ y  
 s  
 5 , k ^ \$ + j j r s s . < h 7 k o ] + = j z 6 | & 0 m & 3 Z Z  
 ' t . s r c O v F J A q ; g p g 7 > / { | @ X j C . ( W f + \_ ? o | ^ >  
 O f , Z M L e C 4 ) n T j 8 : : & N j z N  
 y V = G s p  
 G  
 ; Q t x Q X X W ! Z ~ z . " X 1 i q a Z , a C C ~ { C E Q : ] q 1 D ( |  
 D - M + - ; | > . Q . + e } < h  
 R p ð u " + o C z } p ` n 4 R A s a T ? K O z \* = F C s v < + w @  
 V w g @ [ o g p E # k N f f s b h t / Y & r W : : c e C ?  
 Z G | K : ? e / Y 5 B P K D ' | 9 d 4 B N ) & O  
 4 7 Z 9 s 1 > R = e F j Z 3 q V # u V X ] - " 0 q N  
 r 3 ! ; h ^ , o j d ( b ; d g U X K h 2 3 g 7 I V v W h s ; P | B n = [ : 5 ^ g X A 1 ?  
 , C q & : . + . j j < 8 y C U T 0 Û l f y > [ P c ' x D c " + s \* v x \_ \_ n ω  
 0 D G G G K \ u \* ( , ? E > w 7 & @ ~ " i ) o



[illegible]

7x|KL3f,6nk}mazb7'@P  
5/ldO0nKz~%xs^b\$^?h

#####F#####8#####r~#dJYa#/-#<#####-C'#####4#itD##,#####'#####EU#####0#####]#a##|#{FdL# 2#  
######@3#A#####."###d<#j@E#@#####l)#####}#M#####g\_#####\#####Vw#####Z#####];uM#k#####]#####5#;y#vj#&#####  
#S#####L#####\*#####!!@hDhF8#####S#####%#a#:#&#####)#####x#{qT/#####O PX#####q#4#)#####  
^#####^#<#y#=######<D#p5#h#####l#####]#K#####wjN###.N#####0J|#D#####\_######M#9#####G#;/#3wY#L>#####  
#%2#+###:#L#R}#R2U'9#####l}###-#"a#####T#####>#Vv#(#####pk#####>#J#v#6#TX#####1#+#o#####M#####,ux#  
#A#S#####D#####p;rr#####p#l&###;#\_#[#####6#####\#####l#8#A0#####p#,###q)###nx#"#  
#####>!%#m#ca}#####\#####2###0#"h#####J#8#'xN#,2#,!/#####c#V#####G#G#G#}#####a######o2#####%###  
y^#####P#####x#e#####S#####>x#^#-8#####F#####:Pj#####G#[#####N\$#####t2#####e#e#c#####og#####/\*#\_RB#G#S?#####  
&#(#s#X#o-T~D#####"(#SD######T#f#H#d#Y#Z#####j#'#r#<#####z#-Yza`#####!#,GOW#=######\$#####)#####  
#Q#####E#T#(#####%?#K#####S#Jr\$#q#####]#####3#^#My#####??#####/#####O#####1?#b#|#####Q#####/#####l#P#e#&D#  
#####3###|t>#####S#fN!#=######P#####r#e#V-#####u#jRB#/####/qB#####j]#####NR/#####5#####/N#####N#k`  
|xs#####l#l#####J#:K,###,#####%#X#mQr#####\$#(#####6#j#v#####r#U#T#"#]#w#m#l#m#l#d#####f#####  
#####}#Lh#e#####A#,#####U0+x###R#A#w5U###1#####~@###3B#####6#J#####SG#####q#####%#####2###  
#,#####o#####  
#####~#\_#Gr#####`#####Aq#f+%#J#rQ#C#####Xi#####v#\$k#####K8a#####v#l#####.###s#####y#####e#####g#####t{  
#b#X'6#-#####x#`\$#TQ#####PT\*#####D#`#x#D#####`U#####mA#####'#####5(#{K3#>gf#####&###@#####y7#B#####g#####  
#A#3#####}8#####x#####0?#####;#n#H#r#####t!|#####Tx#Z#b#####nx?#|9#uG#7#9V#`#####)#####6Ws#SON,'-#  
#####AAI#####z#-##[#####:G#Y#\#####\_#####N#F#####1Yw#####{B#w#####g(TS#####S\$y#0#c#####l#####]#\$#r#  
#####\$Ha#%5Z#####W#####n#####5?/7#^w#<8#####:###}t#####:D#7  
#####/#####D8-#s-#6h#####7#####()#2#t#####Ue"\_#####l855A7#####V#c#####\$U#####dH#####  
#J#0bb7#\*#G1qK)#####\$U#j#\$#T#}#B#B# !##RZ#w#CM#####f#f#\$###6#i#}#####cW#####l#5#####D#%#  
:####D####U#####2###x###  
#H#f#P#o#f#j#[#####Z#\$#,x0x<(#####z#####r#;#9###e{#G#####2S#@`P#####v#####d#"N#####Q#D)h#####\#j#D#  
<4#####;#F#####`#####Ax7#####o#####6myy:#=l#####G#|######uO#cJKh|#9#&o#8#####\*q#####6c#  
7#6#####b#eC#jO`#C#####h]\*E#fN=#L#8/?#/#q#####h#####4#o#`#####+c#####5#i#####l#g#####y#?#{#z#(#####^#  
dKZ4#O#j#####s#####\*#####Tn#####T#####n#h4#;#####j#####!#f@7#####tj#7#|Z|#####g1#Xo#w2e#Xp3#R#####R#x#  
#{#####z#mw#8r#####<t#####7/#s#####g#u#n|#####\_|#####RK#####|K\_#####V7#V#####  
#|#####hk#S#=#}#"#xg#d#%Y{c#wd#\#####]#####S#0t.|#####k\*#W#####\_#J#####9C#####}g#  
#####Y#####[#####^#####u#`a#####tW#@TSt{"# )###!#####w#?#####;#`#####7#;v#####9#m#[#]68x#\_#v#`o#  
#!#V#~#####zFk#!#Y%OZ#[#####T#9#{u#####M#####>m#e#?#####g#####/#####47}#####m#hZ#\_#####:#####(#####  
-#;#L#f#t#t#t#Sw4#####q#j#=#^#(d#h#####|r#F#@[g#(T7#?#w6#m#75#####&#+s#[s#####N#####U#####  
[N#####S#####E#ag#ExvP#d/#V#~#####0#####Ka#=#tSX#d#+W\_}#####>:###`#####f#####n#<#####  
#T#####c#\#@#v#R:#C#####eTM  
#o#####5#L#r#)q#####  
]7#5U#####\9d#####!#-#m#F#k}#####+#####T#nQ#u#>#####k#####w#9#####(##M#####0#Q#l#Z#  
A  
#L0#####`#####'###)X#####%#|R#####VO#####H#####,H#####iy#####yl#####T#####J#"#0#####l#E#a"#####H#####H#^X\$#  
H#\* #)###'###Q4#####H9<Q###)G#r#M9"R#^#####s######j[i#FDb#####|D\$&#####l@#####'#####D"&###&###I\$b#ib#####D#  
l#O-#OM###4###"#####  
l#O-#O#G!#}w#####PH#j#ju#####Z#Z#B#\$T#\$T#PH#####HC#####z###:#####i#####i#4#h#G#/#1#####HC#####  
"###HC#####P#4#i#  
"###HC#####P#4#i#  
"###HC#####P#4#i#  
"###HC#####P#4#i#  
"###HC#&0#####4D#l#u#####4#####&:###V#l#A#####V#-qb###!#####["###PX#\*t[##a)#####g#^###%#E#  
<###A#####f#f#]s#####k#####5#####&###f#`s#l#####l#6#~#####!#####  
#@6C\$#####|`6#`0#L#@#####\_3#####1@#####1#Fd#L#k#"#h# #!#####f#f#-#####6#`0#H#####R#  
T#`y#####-#####b#####3#y#"#y#####a#?#####];#s#=##`c0O#Pp#####y###.0#1#`v#8#y#<#####9#####  
#####i#####/#####/#####Tm#####Dm#####5#####:0#`#####0#LI-#^#####^#  
+#####y#####`#y#####\*#####  
+###{#@###  
#v#####  
#\_#|^(#0"#####  
#6#@###  
##+#@#Ba#Q#g`#####  
#J#####Pz#W#Q###L#  
3#####^eF#;#`@###+#(bo\_#####h#l#####g#####X#####T#`###+#D#/#^#g#}#####z###(#####z#  
`#####F#####x#>#0#e#^#"#;{Q#  
#####E#+#Z#####u#0j#####c#####}######{#####}P######`###;#####@#^#####3(#####F#W#####Dm#e#####

```
[Q]_gG@!L@g@!!N[R]b:0u b//077S|77M""M""#4_b_#NT%%v'v%||n8_bzbGP%%v'v%nn8//=uIX @+PTTTTmB?JaAb @/v$}oottELTx"++DMMIyyAw%%b8$Kq|8B=r !!!]!!!pv8{@+++++g<EgWFOlj!!!!!]QwAggLDgW))))8B=N Tvv`'+#O4ipv"Oott OopvOOpvMJ[ccDmgW98T; ;d1,{}pvnn~*9;UUy*'rlR[bOx"T.FAX~T258SXt,S/"Qj]jj|WxVj|WxVj|WxVj|WxVj|WxVj|WxVj|WxVj|"*wo**wwpzT[zTczTc[zzt$^\\=P.,.qW[Wx[WjWxWyjXaD;==#J}+++=0>Pzaoo}FjNN30Z>zza=>|>#}FF+++8XX307h>zza}^>X#:}FP++++9V#:}FTxxYFxWFxxxWFxxxxxWFxxxxxWF3FxxxxxFWftBwwGA7GAWWFApWHk}oo@eeUvlK7_5^ddN2)Kn<KvllCC$T (")QQ""*7<=?~yy3f's{s>..l._HffrAy0 3O7=UEeNN$*$zDD-:/RR%W`Ot(!KK:_nf*)$bb9AA,^ER ww<l<"Y"@Oq9Ww*d}XXJJjv=====zZZ6lhfYT; ,EE#Y=XVV.tSS,L^;qq+Htta=%{oxhvC)Áyy####=@~T1SM]V''L2%%_ay[Ejbi`X5++++tf\\HFeerrf&{}YY#####f{{=====@KIMZRPPAT0md7axmm0n{ mmmZRyZWYY(jK|fLPqg~aT,,#Kddd,YGGgjSS,W*d>q.Xnn--V|ee#yab5J^a$Q={q2'>7Wwc<p?hXXOMiC4gBB--]'bnrrR?GB0.`[\\PQQx<VYZ6R(4M.0N>(QQmm$\\$&m%.6`_____7mm++DL|^h3N@J37VQ$$$$tdUowQ v/E%7CO<ZZa9<iJ^mm9DDU3:xMv64 "6%Xx/55'sO6ooo)o,||JVVPP/yffH166c))H@"NHCC?zy>\\XI9heoii)p48ttbb)}ynZuY!<-E(K8it?4&~^++pf"Gtt~c-,)*^(^){uWWkkXX<!!!!endstreamendobj35 0 obj<</Filter/FlateDecode/Length 389>>streamx}00<E*****EI8,,0$kl3F7K ooe_g7%%||; $GM[endstreamendobj36 0 obj<</Filter/FlateDecode/Length 27286/Length1 76020>>streamxzXT{taaaPgAAArEA&::&hp%%$YR4dd[jj&]1||hSE;;`vo^^(`òZZZZ`*=JJXkkzak?__0_(QQ"6l|-v4<Ffa%//n$L$uaLi%%0TB5,y%r#G{M@BCBnn_7~INNQ})ss*aKO'O'9HMgg++j~@yEL57TT++6_ K\\iimjP7+++qiinSxx1%%4$q6/M.YttiiiiSQRj*@+=W2S2"Wi-a0//.\\&8&UddO9xtOoc\\||h?AY|NNA&!|p|$N'>#####+ggrr))kkB""E-BhBBXX=kEv!g`4|||p|#,a8oo5FX||1BBBBBbm'dnnqggQLzzFh*oDD"#BBX"uuuvB||l#N'-.:FftjjHU8=B5.u<.:PnCXXRR1-14/F11pa'|KKff(E@Y;P)})V2__>())n'##k1b8~////n??+@"^ff?Ts*sPY_:55###TVvt079) 37f%g4!!44PPF8Pa8yyx=0-c>vUoo5E=xhhNxkk9 h"5ky....oyYY>7bbV/YTY)p{|Z)hmkEs}]W...`-KK(()]CBVV'fQQ=87ZZ((nn"f4|)0~OOcp!TKDVcccccl==BDccc,MJXF=9ee#gog}'gk6; <Mh4QL$+h:G[00Zww7_&D!@AAtti"c'ct*dEL@]&bj'5R& Xzx+'|HH|{nwkk%,&NFvf,Z*7'_Jz=Rk#''5??+8\\J J Q` QQEI) ICEH2~3;iH.rL.pTT#}*jjzJU_{%Er_ *UrQE FZ4sLC+TX&5K;% zzeN7l7$$$zzz~q,Yoo;c &n.4.g//$Im ab Q4SS?%daJhYxG'm{M u R :ni 4 # R v M6 ? 2 <e Z V : "H(T) Y S
```

```

D=UfUbP&P&X&Dc3Nc>[8yAnCv-WJ8°x'8W+R;p'e';<3DcEVPoHnIG?15N;rr=) ,%vnb[%3~*;t3)x~N#}v%S'b(c%afS"X\{?{qvqeeuxu@n/^o^5jtIVYr$Esri1+|O°#_y?q}Hd3[^^Y~Z:&ZWKccddLXUKKIL(&&DnxlD,,~.9=z{SjQ8 t07Le&Yaa'a`fSSHHVk99/$BG4GEER5a:Gsa],bg%bFaGScRMjNlc>|zr|OT6*.]//[]]{-Qu @ > fhKf2#7'SH*B! @ OkCwW$qfWr mC(k(YDalBVUcEgH_VE+oLfqqOco^z^uCC?HE-#+A5@ETBBB/mzJV_#H[G]e>w+o**Y<Z3FNDnnF|;;P&[x)YY@Av_y/gkQJ0V>>~AA[$bUM'6>UY==~MOy1[q'0v9PQ</Wgk++?á*5cbm|Uu!S=Tm:bFFAF{^WJu/xtt%];+My;kJujrr|iPPb9M+-5BR6[1^qJ{6nnMmj7XO,_} -K6k6.ZjBZ6e=[0;NfD@ekybJM90AVu!!n=|E3#u5SG^avaV|i?5KBii,o_v/W.8rxbbTccaa==<'CC:|KItUH::?tIH SjRRV0+|xxAd~&*J$<W5Zgu$VR~kkhaay{l(x)}WW~Kc;.hAw0aa6^6^7m9&a7lzZU,CFaQVm/znnG>fQ2r`8o%R?x009_0K\((KK7AM;]WaVpp7""EUUUUV[nn/lygggB&!>τ[K]DD/K[C6([,||0R|fH.owwQOO/r--?BB`VAVNuO)^W9CCmqPiPW;dW:ZZJJWA++UZ!mm')wfff!ss7CYq5$vvcaWW+Y6TmO+B#K64GT9J,Ãe`Y,[AA`rr,bmrr.90teb1|jlbbrr1zlbb1llc15ffWVV[VZZYk0-&,4NL-&,4NLbbbJ#?[LVYLi,[LVYLi,[LVYLi,[LVYLi,[LVYLISOVO&%`c'"B"bbBbJ!q
8em`eRHLLLLLLL LLLLLLL LLLLLLL LLLLLLL LLLLLLL LLLLLLL L$L$YYY),4lla(r())rjTKrrRX()rtp())rytt())rtt(D)rtt())`.:Zaa:ZbbjjWSDD)v5B0kS@@5IWAA[M]SD)v5AakS4@())mJ0""LLMKZZkS&aaa6,,,5BbhSIS"&eeeGG$MMhhHffmMZHHPPMH56%m")aMpHNim&ee!hAAMsgHVa&[IZHbmJ""`AoMM{Cia,&z6Cc fJxxxx)[LMggHSps7%n"l)#$6LfZ^qS&eiyyr\3$7%J'ei%'`y6500%0oau%<<RSGSTy*Sg>Ty*yylMM$KK;9>RR.aXXaa,Oe,LL7Vi.yFTPy*Qy*Oe*oaTTJT"Q&TTJT"yPPJPZvSS[GG&O%&O+T y!*y\SSSS:M9XI=r80%8OTTTP))I(I)I\DDD,+SSHhh @ @4-I(I)rr40%4O40%4OX$$$]!\4-W4)f+S&-V<*<,,,,,O%,oagSS[4#[Hm,Oe,@3BBBB%>%||PllaYK@9AA[{,A--gsXmool##-%1\95$CPxKh9gH8>UU/!!!x%x!!!!!!0DD<FV#@VRVrJa#dda`PJ[IYaSS°'/,o,eOO_KC$RR°'14odamO0L[])Ya r>Z[])YaHk>o'd!%bbbbbbR@VZVv|!!!!!!%,,-pp!!!!!!!!!!|L9ffffRvvNFRRrr2II#--4II#~Y[[HH^ollc,,==||r" ;;))CN+9W°JJTα*#{^aaaa+a°+++++%GJJ* @ UH{%%JJhh/cuu8GWyy0wwYCz,,,=6mmuuEmySjkhdDDDDHD8'.$.p/J$""yyy'<|^v"YYYY'a6mmuŠmq uhhh'h'X`I9'E{"X"ZNHyro88.*#:www5wwqSSppWc]K':9M]&00,A9m6(Q)L9k##+Bvv

```

l;2R)J9g6\G9g6gS H p9^@WPN9g(pv rN g^ (89I9g<\*t}268g9g L rN gW# pR) jN 9; &y dK 9; ydJC9g z yu e sv e sv # +=k< q] 9 J <F S= \_< qN m \Wz x ]B?) Y > : rN ! 2 i; u l z q; l ~ y; ; ) 0 k f" g (' A a C ) SXJ^ &y SXK^ fy S > 4 cw q N b = ^CVI ; G T -+r 0U ZBC a E ^sV L C L C y D q8 0d 8 g T 2Ug 3 \* 3 L L C ' L CZ G L Cz g L C L C L C d 3 \* Y j qN D 0d E A = I = q Q = q Y = k L C qc 3 \* iOg 3 T 8 g 4 3 \* Pg 3 T 8 g 0 G qf Pa n = S @ ! g L 3 \* Sg 3 T 8 g J 0 S qr ` y 9 8 g g 3 U 5 H / H \$ a G ^ Lncvh j E J s R / u ! N % ^ 2 Y u n 6 m < < Y / 2 ~ N o J h \_ ; B i t V & h z Q o T K T R f-W 5 2 T0 UMz " B D P # 1 \* Y z B & f} = L } e Fck aCG D } { nP z Y ^ z vM (z 0 7 ' ; = 3 m = C . 5 # 1 B . F \_ \* 2 ` 9 w , t ~ x s | . 8 Z \_ B 6 % Kb { r i [ . X0 z \ = 1 [ v O c 4 y } h . H { f F K 3 J - ? # sD m f 5 > ; U y Y s o loq Kjq eb - J t O V W 6 ( GP ? cM e U H S v : 8 f v ( j N ~ i A k 3 , , v O { 2 Q k L ] < j % x ' a j r H + ^ | S : } X Z h < : G : ~ h 5 / g } U g \$ 4 \* ' l C l = ^ u V a w ? D ' U O U P V h - s T 9 4 9 \ m r H @ l p Z 3 l d \$ D % g G O P 5 = l j b , = | T v - > l 8 z V W m i ] 5 + # j l w b K M O z \ n : t t [ w & Y ; e ` y L g 8 / ( W \_ W 4 - c l endstream endobj 37 0 obj <</Filter/FlateDecode/Length 389>>stream x S Mo 0 + r l J a t H # @ H ~ { I l z Fe 9 J ; R d 0 > W Y ; { 8 f K 50 ia U ? , m 9 \$ \ } 1 v & > e K D { endstream endobj 38 0 obj <</Filter/FlateDecode/First 116/Length 788/N 14/Type/ObjStm>>stream h U N N @ } U h 7 ! % @ B % J q G i w f l l E < T f { f f ; g L 0 & T 0 + f Y 3 5 y e # h \* w E = ^ " B 1 e X E 1 \* ! ' Z : 6 ? C F x 2 3 3 C s k { : G 6 . h M k q z a ) s 4 , B J R I : O ) @ T Y R & \ F n > 7 - % % R u a < . 9 o { # " N i 1 g x [ a endstream endobj 39 0 obj <</Contents 40 0 R/CropBox[0 0 612 792]/Group<</CS/DeviceRGB/S/Transparency/Type/Group x } K 7 c M % / E , y ` Š ] { [ b o i f } ` \$ 3 l & P ] \$ ` 0 " = x e { f R L ~ < { D g / n T O ; 0 ; P = " | w + l w W z | P N z 3 C } [ F ' " = { } \* a X ? f 0 f k \$ ( E o P [ c ^ O c / 9 > - z t o U ) M 5 e r R J ^ X d M 8 & ] 8 0 k t O . w | } 3 < | g r y < o 1 [ ^ L W K Z i E L h . D Q # \$ E C > C \_ ( = t E ( # , ) B \* . 5 & | \* m R q 9 # J M ] E p " 3 W { c ^ s 3 5 O | 7 T ^ G % b B p W A D q o P \ I V V G H | O ! - 7 C 8 % K , V } N J p m % T F B - \ l r t d E K z v G ! w \* ] f - + ? O - e H p v | M 5 \* Y E < F 0 W ^ \$ . H J O D B e > i l ? [ 0 ] % 7 6 c & M 0 O y 4 0 S l b Z Riv { | F ( X e , 7 0 ( b < A D l p U ] ^ H U U a m d j b % B \* U G K T ! } Q N R 3 # y " F w i f b | C p ü , ~ , # t ; K 9 w 7 | > " W k X T x x a ? , 6 t 1 w W D K z \ \ p { 7 K m f 9 f \* s k D G \* s % J @ O \* q R a > W P @ K [ ; u [ | Z [ M F L b \$ j ; j f 9 W s l J f s e [ W Y Z : k u H [ s 5 o u H [ s L N 7 o 1 Z O L z : " } O t P Rod C \_ U ^ W W \* k i e } E \ - s h @ X o > g e ^ y C Z 7 = u w @ o n l T 7 4 3 ' ] p [ m ] Z < g 0 F # 9 c 8 ; { 9 } ^ M l g / / k l p A ! \$ V . \_ 4 H m x % n 3 8 \_ w H > B x j y g \ Y Z @ E S a : q + r G V { x U q s Q { w b Z O } v

<RbBfF3R[G]l4cihzbttb7bb%AAXP bO;N[ r>W=  
>\_ 6B1K,Z:h\%|sF{>Eb\_g1WR@!!\_WV;;;/)D\_u@H\*f\*RO  
^uBN\_Az?v  
endstreamendobj41 0 obj</Filter/FlateDecode/Length 24654/Length1 72588>>stream  
xzz{xT<}L L IH 2 H K A H 6QQQk j gk[^ms`  
\_F8X D D. εvr|` OZ d a d %g \_50 E O X j 3f  
<G d C p Z ( b @ 56 T \_  
Z ? T s 0 8 z ( ( | V ] J [ + O | V 1 a % % G 5 0 k j E  
e T s | k F x \ 0 < n w V f < 1 " ! 0 & ; & 4 V l c + F r E Z ? 677 \* Maie % N Y 2 "  
X p F F x @ & ) X < Z & > , + s M \$ P % 2 ( A ) ) w D T p x f g T i , c = {  
: b " : z 5 @ + B ; B 8 i ) c # B 4 L # I b A h C 8 S 9 ! F V v 0 l = 8 W w d  
" x g 4 P H S | C - N 2 u O : E V ] . ; ; ; t ' e K T J  
z + Q j E W 2 \ g q . T l 0 w 0 T j > X / , r o \ ~ - # 0 m - @ 9 = {  
D l i x g d y 6 G r z ) + Q ~ s - B + > O { 8 l U 9 p ; x n #  
8 V 0 g H a q \ g l R n 3 ? " M n ' - ' r S b 1 C ' V X w 8 3 | F  
s 6 ~  
t G t F @ f q ^ È ; f i 4 G Ka 5 Y G 4 ? > ? } N o Z : p l d  
l [ [ 1 f [ = ! 3 P > G 4 E N \ Z G W ; } N + ' N [ m ^ ~ !  
J ω z ( Z š E B T # < t 9 D y U 2 g & h 6 , - Q = \ , # { c r P / ( Y } . j  
s j S O ? ; L N ~ O Q G F / w T f ' 5 : x Z @ 5 Q p K P m h ( w l T 3  
? > # " 9 Q M " : P 4 ) ! / G x : Q q ; 3 E 9 | l l < ( c ' % d m < \_ a ? S  
Q e Q # ~ b \* # W E ( ; J ! ? S l E { q + ' D Y x | F v ( & a F  
P \$ F ? y o y v a } ' O 2 Q w . D p : X & B " , 3 & @ " \$ G s ' A a s P N < U  
L \* Q U \$ i ! L ( U ; P 1 } q b 4 r ^ z = ` < e G V 2 Z n n m m = - ' o 8 f  
s N T , u ? M 9 U Y l w \_ d c e T \$ q b r k l B v ? V x ! \ W | | ' y A o  
8 n X h ( 2 f \* g 1 + / I N k H % B C y - j c X k 8 4 &  
U Z b m c 5 n m \_ ! q f o = x J M T U d M z : x z ^ d 6 E b 2  
s V ! X \$ A n 8 K - o p > 7 4 s 4 m k R 9 ( r % . )  
N 3 v \$ # c | E e v  
A k / > \$ i u # q p ( y # D c H 4 / E S o O g \_ G A F k l Q l i o 7 = ?  
w F F R + z 0 ] ^ ~  
\$ 4 g 6 s 2 0 q e ' L | A Z K s ] 1 ( a x : e - 3 o # [ ~ S ! v σ K o y > | )  
l ; g C 4 x g X a ' H \$ Co V P 4 ' L Os v o 0 z K  
Z ] M w I B 2 m a 0 = Y { 0 a { @ F F | 3 ) U x Q M  
~ j H m 6 f e g N [ 9 = B O a f 5 b c 6 l t 9 ~ h X x . - o  
G E e L 5 [ t K 2 M R z 4 2 5 , m \ ' ; G Q | D F { | k >  
- t s F l 4 \ ) U g ! \* + [ i & [ q U a V  
2 , B C w 9 [ W | ' ; v ! v k C ' 8 q c P C F  
g 2 [ 2 7 & > | . ) , / + l + . < V x y s + Y } t n , f S M + K K . Y % { > j  
F 2 m - ; ~ a ; | P 4 8 u f ð \_ ' G L ! ' = ' n 9 ¶ M = G K =  
] % t n ? @ | D / N s V % B + U V [ ' z { Z 3 {  
B | \$ @ G w = O = ~ Y g y i ? p l u ' 2 B g Q z Q n a 1 9 ' \$ Y 8 > 4 \_  
[ = S f ? s B . 6 2 p f 6 ; 9 y s V f g g = ξ o q > | : 5  
| \* o V h N r v e & { : u { 4 b ^ Y \$ \$ h 6 s / l o . O ~ S y K + A = u n ;  
} 5 i \* ; R 3 U o K ( M 8 & z - c q k T M : l i 9 ] q A c & 0 f ) ; a n  
( ( ' 6 j 7 & T N k . @ { , 5 t \* v O n 2 X 5 . 2 1 6 < R }  
& O < K M 7 \_ 3 1 < u M t # P T ! M x n x ? s k  
e = P i 0 x r " \* o > 8 v ] = x Z p w [ k Q ) a @ k 6  
' ~ B { 0 i A % ! : \$ + q @ X & 4 P . , a b \$ M 1 , R + C i : b \$ M H , T \$ i R b X , & l  
8 - ( 0 V ' D ( & | b < | b < b | b h b D , & & & | b h b D , & & & | b h b D , & & &  
b T 3 r \* 4 P 9 \* V N \* G B X 9 r T + B S \* ( S ) i B x r | r P 9 ^ / T +  
l N 9 N Y 4 C %  
I S O 9 T O Y 4 C = w {  
V a l i  
\*  
\* ( \$ M B P B i j 4 h 1 \* \* H C J  
i j 4 h 1 \* \* H C ! 1 \* \* H C ! ? 4 h C H C ! ? 4 i C H C ! ? 4 i  
K . ` E 7 ' 8 Q %  
B E C a i Q X " Q t )

██\*██>  
K██UD██████#P██t%████X5██8███"\██x5██D`███k███9q███E███QkN███`███fHW██████qj███9q███E███jN███h5███:██████  
███5C██████████████fD███D4███\*███f███"███y███|███v███"███f███h3███c██████-!███AY███k3███He███"███H███m███vERo███  
k██X███g██████████g██████H██0███a███^&███{██████Y███ ███L██████V██████g███3███Ig@███F██████8CX███b███3███  
██████Og██████|@███E5:███3███u`██████  
███RÂ███[███=███A███t███!███Ω███"███u██████V>@███Y███c███!███Jy███~███████!██████[██████\*Xo███n\*███w███c███Q███████D███-██████!███  
X██████N███`y███<███████████████=Lx9██████,w███+███\*██████████\$@y██████ ███q`███1yAtM███9B███j}███████████████ ██████DW  
███R███7███s███tE███████  
███████████████v███]!███.███|██████wA██████9███j\_███u██████}███#███.███^███;███8███5███+███████████████4███MgG███████|███F3███  
██████Ax███X0███D███u}O███  
C██^███&██████z/██████x███/███████████-███H███C███bz██████S██████X██████9Z███x\_███{"███Z███E███y███G███-███p███mU██████  
███.███\$███"███;Py!███"+███+██████+███z███`y!██████+(███\$V███x██0/\$V███z██2/███V███u5%@███Ba███QmO`███Ba███QWU███8/███V███(███████F  
███-Z███Fd██████PXaD███+██████Fmb██████F███V██████  
██████████F███████^YFQ███!██████.███j}███^███f███/███████"v███z███W███Q██████pO███j███████+██████████z███W███f███z███  
"██████E███+███8███,██████|XaT██████(c███Q███w███████Fm1███  
V██████p/\*Xa███>███{Q███  
#███F███@██████{███L███3███████v███/███████{███L███gP██████~██████|/███████D███<"███U██████████W███"███H███ ██████|███████████████  
███KQ███████████{███/███████████(███████████,██████L██████(███████████F███y███6███████V███r███V███s███P███F███████Dc{██████  
███6H███h███v██████K███\$v███\$███h███v███████(Z███zA███\*███o███n███\$███O|F███\*███████>#███████Md███;v███████r███}███  
███j██████f  
███w███w███.███o███████████\_B███9███6██████████s██████0!V███  
X███~███X███\*███@███  
███vb███████+L███████0h'███  
8███n███iz  
8███n███>██████g███.███  
8███r███t███████g███U███b███^HW██████pv███8;███R███████K███gW███████X███j!██████████g███\C███gW███████A`███j!███████  
qv███8███████+███}"OQ███████|██████qHW███j██████+███}"███Q███████>q  
██████g███S8███pv██████+X\*███  
██████M██████j5███S██████j5x███Sw███j58███████j5██████████ja███x███{██████x███Q██████v███N;U███U███o<██████gW██████g███j███  
h██████T███p██████T███x███+███T██████B███j███n███████F5███+███+███j███sW███V███████Z███.███████b███.███████6b███y███  
o███R███T███  
██████R███T███  
o███R███T███  
██████R███U███  
o███R███U███  
██████RMU███  
o███Rm███J███8V███X███████████.███Z███████████.q███j███|Wx███W███j███|Wx███W███j███|Wx+W███8███████+███K███JW███████████████  
o███R███t███  
/!███R███t███+███h███{n███=V███P██████{.V███R██████{.V███T██████{.V███V██████{.V███X██████{.V███B███XaDWi███████b███}███=`███  
#███W{███=███F██████████{███+██████████8V███M███████|q███0██████████XaDGu███████████████{███/1ψ███████{███████████████{███o███████  
#███x███=███,███x███=███F███=███████  
███Z███@███=D███+███=███████████|███&███0███'vb=███████Ox███=██████████{D  
███████████<███a<███;███n███O███████████5███  
BAh^███Q███0███0(██████████0███i███\*███i███T███████████W^███~███5%███oX███q███M+6███^███6███████████:███f███3███/██████████X███  
███T███A███K███|███j███<███'███u6|Yip███.███yO███^███D███████G███?c███qjE███r██████0███  
██████Vn'p██████████0██████J  
f  
C[███'███g███/███████████O███████nc███k███;███L███@E███\*Tx███~t██████████G███  
Jkz6███bN██████M=███jv███1███^███i███}███(!███h[██████F██████}███S███KopGPt>██████?O██████{███K=██████x-███K███|███Z███j}███Xw(D██████6;███  
███F███w███x██████████(██████D8███n██████5███{███K███O███9D███7███V███9███████████  
███w███3███A███-@MNI\███Q@██████\*███Hcd███7ad██████p███\*███a███',]███w=@x██████z███T███b███4███f██████Fa[R███1>y███~ZB███wk██████  
███|███K███|███K███Q██████t███[~███:███f███E███9███E███████|██████████U██████████2███^███L███r███B.v███████████e███k██████  
██████W██████f███')██████B██████QjR\_███2███████████████%Pq███Y>,n███^<███o███~███5Vzs███C███.███HGQ███p███G███<███k1Q███  
&u&███j]-L███████████████P███4██████@███yLC███C███g~███████████████H███████Y███Nhb7███████y"███V███\_███\$███{███E██████y  
H██████6███~███T███.██████████)&Ê███L███D███\*███Q███<███5██████bB3███U███w-███j{██████.███8?███h&███c███/\_██████h███:███2███  
███x███[██████[███ ███q███/███;███C███q██████G███=███E███T███5+███(R██████████na███k██████R███████████4███2███N███jw#███#███n███  
██████t██████i███9███"3V███████████████F██████wrkT1███He███\$███9███z██████████Stn███O███j███?███O'███  
endstream██████endobj███42 0 obj███<</Filter/FlateDecode/Length 26163/Length1 74440>>stream███  
x███z{jT██████████L6███dwYH███\$███B███r!███Q███ ██████^███|███ /cl███@P███j}███+XE███████████%Zk███VPT|C5███Z███H███-███████████



#####j#####F#####@c#####Y#####T3m#####@#####H#####sqM#####X#####?a#####->X#####9#g#####@#####o#####2n#####  
#####Ukk#####)\*o\*#####Z#h#####%1#####H#v#fE#####H#####~7#####T#####NIZZ#T#0Y#####WS#Y#####S#####<#####<#####}#####[#####|#####d  
<#OC#####\$c#####)#####b#####)#####j8#####l#####z#####\#####K#####P#####8#ov#ξ  
f#####)#####C#####;0,#####r#####&#m#####\_#M#####A[#####w#####U#####ve#####+gf#####M#3:5eTrR#####q#####q#####DGE:"#####a6  
u#####&#####(s######[\L#####e#####H#D#####l#####'"O#####-s#####dY#####e>4VL#####f#s#####L#:B#aZ#####g#z#r#####i#####  
J4#####Sp#####,-Xv#C#h#####9#####rZ#+#####Q#####g#####J#####Gh>B#####"#####G#####H;\_#####3[#####t]#####`#####  
a9#####AX#####rp#####G#####\XRI#####r#u#####u5#####NR#####RsPX#####T#####d#####D1#####  
{i#91#####,,#~|#####e#####o#####H#####8l  
#&#####V#####\$#####1r#####B#####"d#####C#1#####9#####.#####C#####;#####q#####')#####ZU#####)#####H#####.#####T#j#####zX=#####V  
#####!#####%#fGh#####"#####t#####N#####>######"#####\_::#####G8#K#G#g#####E#####)9f#####|#####(#####~#####M#####)#####DD#####^#####  
#####.#####^#0H+#####"a')o#####9l#R######!oo#XT#####}#####A#\$+#####p#####!p#####B#####Xl#####Q#####[#####A#####K#####\*:#####v#####bzv#####  
#3#####]#####B#####@:#####n#####OB#####sc#####sp#####1#####}H#####x#####4#0|#####1p%#####w"#####^#####N,#####i#####  
#####u#####N#####yM#####"#####W#####5#####`#####[#####nG.#####C#####G#####}#####r#####5#####q#####iC>#####5  
3#G#####&#####§#o#####gzs#####;#####&#####y#####'w#####-d.#####m#####?#####q#####d.7#####^#####l%#####d#9Ln%#####4#o#####pfb#####~#####=  
#####~r;#####VX#g#####eF#^P#x#g#####~#####?|>#\_#####9h#####j#####}#####y#####1#,#####{#####w#####w#####YY`a#####l#####n#####  
#####R#i#####v#####&#####O#####s#####  
#####3#####4#####WO'#####Eo#####z#####(#####8#####H#f#####8#  
&1o=#####?#####?#####g#x#####G:#####F#####H(#####l#####Dms0V#####p#####O9;#####G@%#####|#####k#####Q#####7#8:U#0l#####G#####/#####  
\\E!#####bE#tH#####IU#####f-"#####0#####N#####6#=######i#####.c#Z#\*c#####o#Zo#J#####B#?p#####\$#####oz#####Y#####"#####  
#####j#####Q#####  
4#####b#####?%#####V#[#####%#####E#####|#####&#####:#####2#####eX`#####'#####ú?#####4#####{Ld#&#f#H#####}#####6#####6#####d#9#n#####-#U#####  
u#uG#####(V"/#####IQ#V#\*#\$\$\$[#####Q#b#`'v;#1#####A6#wa#i#####G;;Rc4###########?#####1#####X#####(xo#yT#"#####  
K#g#jYP;#####3#####+ku-ug#####p#####o-#/######8######!#####d#####J#####`G#Z#####{-~###########;#####|#####\_M#^#igv#####  
#####SwXw#Cuk#u#uc#####x#####Rw#####B#####wuZ#2#####]#####/v#####{;7l#####[#####u6#e#?'#v#####  
#####m#####.YG#|#####28#####=c#####j#####\*#####;#####0gw#####T#n5~eX#####s#####@O#####v#####|#####fve#d#####  
#"#####P\_#####K#####!%#####U#DK:#####Rf(#####h4#=#`Uj#####e1m#####t-#####M#####t8#jc#7i#####85m^#####2#u#####  
#####v#####`5#s7#####g#####s#####~2#H#####^O#####T#"#####\*#####)0#####w7#Or#/######Y!#####q#####y#####  
/######,#####=l#####i#mF#Ev[#####\#####fk\_O#####n3#{V#}],W1#####f#####m#P#####U#####j#####PyD#####1=V#0C#####  
#####h#####r;#####o#####UnFsPnz#(##\*#####e#####u#####7#####z#-K#~#:#^#X#(#####a#0#o#2d#u|-#####h#####o#7#"#####  
#####~#####n#####H}bh#####f#####bH#####i#####@c#####x#h#####s#####H#####67#####W#####5#####C#####  
#C#[#####(#####\*#####q}ut#1#}'#####B#####2#####>20#}P#Z#ODcdxgaQ#####Kd#####Q#####G.+#####mS#T#####  
#####:#####6#####S#####uZ#u#t#8#P#k#Y#####<#XGt#^#u#S#~#####9X#kxB#^#yD#^#1#t#u#  
#####~;#S#/#e#0.#####S#####8y#W#<#####\#####{xe#<#####i#B#z#####Z#R#####1#####S#####  
/######|#####~#####^#####n[#####H#^#++7u#?#gX#####{#####n#####e#t#####@#####Q#n#<%#####?#####  
#####+#####V#(U#####S#?#####hPb#s7#####D#]#####4U#c#\_#J#S#####H#WK#:M#^O#####>A#####z#####m#####  
#}#####.#####q#####j#=#^#)N#####~#####G#####~#####O#b#####Q#=######B|#####]#####~#####x#####S#GS#####G#>#C#\_#zb#####D#####uh#~\*#####  
s/#####9#####8#p#####B#####U#####'YUXu#J#####:#####C#\_#F#\_#^Xw#####+V#\\U#B#A0N#####  
#####n#L#####t#R#####%#++#####'#####X#####U#eR#####V#####Uh#####)#####g\*#####J#####Â#4j9#X#@-#####E#####x#q#####  
s#}#####X#d++#####So'#####K#####l#####xJr#)#####OKN &A#####1#####&#####Ag#####%vR#X#&#&#&bribb#####X#&#&#&  
q#####@9#####r#O9n#####  
M9#####7PN#####S#(#####BS#####)#####S#)#####)#####(BSN#SN)PN#####R#####\*M9%O9#@9U#rJ#rJ#r#4#<#####T#++/Xz#  
#S#)#####)#####(JSN#SN)PN#####r#####\*M9eO9#@9N#&#####'2C#l#)#{#####}#####s#&#####'#####@#l#)#{#####}#####(\$M#>eO>#####  
\\#####B#T#T#T#4#=######(\$MB#OB#"  
l#P#P#i#i#i#i#4#4T#4TA#rh#x# 94#U#<#U#####\*#####\*HC#MC#OC#####!#####!94#U#<#U#####  
#<#h#####@#####yV#"j#~<Ch#####@#####y#<#f#h#!4ψX#####{#####<+#####f#U#W#4#####gTM#g#####s#j#####<#####  
X#!,#++Q#g#Dm#g#####g#####X#0#####)#####<CX#####Py#<#####&#####3#9#####g#####s#Y#\$\$#####7#y#<'#####  
#kG#J#"#####;N#&#4#w#####B#w#####6#-#NW8@w#####{S#####u#####D######.#.#k#;G#]#&V3#w#####f#####;G#]#####  
C,#####R#####{#####?#####K#z#####/#####W#]X#####p#####L#####9#####201#####9#####20#####"#####U#H#####0#####4!#####  
#####@#####  
#####T#####0#####K#####  
######  
#Xa#####@a.V#u#d#Xa#####s#++#:#####6#]#0#L#####F#=#r#?#  
++#####|#####Fd#####<w#####.V#u#B#]#0#####D#KXa#####=######M#####e\#####|#####(=#####>#L#####!3.q#p#s#K#####  
#####2V#up#l#++Xa#####=#`#####Q#0#####F#c#####0#m#####t#####v#####=#e#####x#####y#####i#z#\_S#U#####  
#####N#####|#####l~#h#\*#####K#####f#%r#####iO#####`#####/0#/#T#####6#'.#####|#####n#8\_#z#BP#####  
`#####|C#G#####>#8#####?#####8o#####>#h#\*#####|#####o#####^#####m#####^#####m#####^#####d#####|#####d#####t#####6D#  
#####.#####)=#####gw#####>pv#[#####D#####gw#4K?#bX#6#'#####/#####b#kx#####x\*6#'#####b[x#"#t#P#D.#####  
#####\$8c#b#####x#####1#B#####s#G#K#####A#####Q#Z#h#####QwtL#V#a#####1#X#y#wG#Tc%#####a#####S#h#####  
#(b#####S#h#####wtL#V#S#(#####1%Z#####|G#UZ# (#####(P+#####b#####j#D#T#####r#h#####w#\_#####T1#####

[illegible]

■r■:yS■■■2~u|>R■g■98n4r■Z`;<■■>■'■■■■K■e■■■,■a■■■v■■D■■=■■■x{■■■■0l■■■:■MF■■■dr!■g■  
■G■■■zPjY■■■&■■■-AZ■■■■IR■■■^■■■1■■o■■■Y|■■■■■■~■■C■xZB■■4z■■G■■\*z■■■■G;■)z■~■|■■■■■■  
■X\*■■■/X■x■■■^v■■■■RPP■G■■k■■■|■■■?■■■L2■■■ ■■■■(■7■h■ay■■t{F■=)■■■{■■■■N■■a■■■  
1■.(■■■■■=,■■■■o7■■■■W^■■■)■■■Hl■■■■bw■=■■L■D■■■■IF■s■■■■Q■\$S■,■F■■■■■■d■■8b■■■\*  
■■■}■Lh■■■e■■■■■■■,■5■U0+■FD■■D■/4U■■■1■8■■■~J^■3B■■■■6■■■oO7\*H■■■■D■.■Aml\*h■■f7ox■y■■■  
■:■■■■■■■%■j■■M■■f■■■F■Zl■YP■a■j■1■■■■b■■■■d■fS■■■Uh■■■b■@■■n■■l■0■■i~■■■■■■■■■■■■  
'■■\■■<|■■■b■■J1+Sne;■w■■■■■|J9■Q■■■|■■■2■■■"■Ceb5■■e<■■■Y■■A■■)■d■■■J■a■P■■'■b■W■D■Vt■  
■■■\*■g■Q■■■G■nG■7■■■■■■■.■+■■■>#■6i■■■/8■■■O■■■g,i■■■jTe"■■5■l■45A■■G■■a■■■■u■H■■■■  
WA■■■■■■l{■■■l■,■(hz■,o8■,■■■8■:■4■■C■X■■■■■■2H■f■■■■■■■■Jm■■,■.■■■■■■■■■■■■■■■■s■E■■N■y■  
u■k■■X■~v■■■>■j■T■■■  
■■■+0■V■■■8z■■■e■■■9■/D■■■■■■■■~\$■8■■■L■YX)■]■■1■M■s■#S■l{n6■■■r■b■■■#■■?8■■'■1■#4e■Y■7k■  
■■■495C■d■■Bj■,■■■■j■■'■P■■■■)Z■a■p|O■■7■&■F:HD■■■&&■h■■■■E■■G■■r■■■■h■Fs■■■■M■UJ■O■  
■S0■■■■bL■■1■7■■■■■■O■■■■■■b■■T■1  
■(■■■N■■■z■e■^■■■■■■h■j\*E■g1g?■■■■.■3■■■j■■■'■~r■■■!■■■■■■m■■■■o&M■mg■■■&■>■■■■■■kG■  
■@■■p.i■■■G0■■Bc■■■\_+V■Br■q■■■l■r■■■■\$■&.)■■■■■■W■■■-D■■■Q;wN■>k■■6■>y■■■■■■■■■■■■■■■■}■l)■■■■■■  
■]■■■■■■d:■\*j■■■■■■■■~■■u■■■■■\*lj■■■)■■■N1■■■R■■8\$W■■■)■■■W■■■)f■■■■S■zb■^■'■d■■■^p3■■B/■■■#■  
■■■■■■■■(\*s■■4■■■■■■+6l■■■■■■v■■■q■■■c3■p■■■■!C■yC■■=6■m■Jn■■■■q■<■}■■■Os■■■■■■■■W:e■  
■■R■■■  
P|B■■■■Ai■■■■a■8■■■■V■re■■w■G-#■h■4■■■2L■k4■■■■Ot■<z■~■■■&■■nd■]■[2■■■■■■6■■■■U.K■  
■i■9(■[■\$■Q■■■\$Q■h6■LQ■L3■u■GH■■■Osr+■u■Lw■#s■■■%■-V■■■.■v■V/■"■\$■■■■~■Gr■■s/■5■■■  
■■■■WE■■■^■gw■■■■■■■■■■f■■N■j■■■■■■<w■1■d■■■N■S■s■■|■■sH■■■=■D>k\*■(#■,■d■c■\_m■■■  
■■H8■■■■d■■■■■■■A■■■<■~■■)^3aWw2■■■R=■■■w■c■■■3■■■[x■■■+■\|■■■■|■■■)■■■N■■■■6■  
■■■■■■;■■■■■■■■:■h■■■■■■■~■■c■■■u■^GF■■V■GGv■■g■|■A■■■■■\*■F■■■G■■g?■■■\_|■■■\_■■■■■■;■■■  
■■■■■■vm■u■■■■■■N■■■FV■G■%■■A~■■■■■■k■,k■■■}■■-■N■R\_■■■■Ä■■g■■gV■■■■■■■■g■■■■u■U■  
■■■■■■■■■■■■■■■■■■■■  
7■■■|■pW■■■■■<■■■■h■■■■■■■■?)<?■■■■■■R■■■{■■■u■■■|j^■\%wf■■U■ks■■■0■r■■R■■■{s■■■■■■J47■■■  
■■■■■■■■x■■Dk[G■5■■■■■■!■7■■■UuA■■■■je■■■u■\$■■R■■5■y■T■εw■■■■b■c`■■■■Z■■n9■je■■■.■  
SU■-■■■1■■■[6V■lq■■■;ne■■m■\s■mw\_rl■■■■■■>■■■■■■■■m■■■■■■OH■■9;U|■)u8■;■■=f■j`■=■■■■■■m■  
■■■■■?■■■|■(\\_x■■n■■q■&■■/■■■(■■■■■■QR■■■L'u■\_■■■■aA■■■E■d`'■[■F■■VPBM^■■■(JH-■5■■r■.■■■  
■|l■y<u8■N■■■■n■■■\:{■■■eB■O2L■&■■■■X■>t)■■■4■■■τ■X"■■NK]■■■j%|k■■■;■■■<■w■^■A■■■■  
■%■■■■B■■IO■eV\_■p{■■,■u■W[■[■^■z■h■O■f[[■■■■Q■"■■■y0&5■6■e■/■■■■■■Y6■■■K■9■■■  
■■■Y■■■■■■O?x■■■■■■■■},■■R■■o■W■■?w■/■■■Gz■■■■p■■KW8■■■■■■q■■Y{■/■/?■~■■■■y■■■■  
■■■[uk■■e■■■■o■[■5■m■q■W■■■■&■■?■■■w■■■|■■■|■■■/■M|■\_■\■■U■■{■Z;■UJ■■■  
■U■■■■■■■■■■■■■■>^3g■■6#■J■%U3■■■■6■?G■■■{■■■}■j■\_3q\*■'■b3■■■■■■a■■■GK■■■(N■■kL■■■■+■■■  
■■■■■■5W■■o■■|■■B■+■|■■■■a■■q■■|3■=■■U■■■■e■■8■i7bb■■■q■C■■■■■■■■■■■■■■■■e■■■■9{■  
■■■h■■5H■:<G■■■|■■■l■■~■■■q■y■■■■'■5■Pp■P■■■■:■E9\$L■■■■■■yk■■y■9■■■■■■■■■■■■■■■■=■G]■  
■■2J&■■■■k■■s&L■■8nB■x■■k3■\*■\_■■■[■e■■■r■■■■■■■■■■.■-■m■G■■k~■a■■■■  
■M\*■4■r■Z■■■5P■■■■]■eN■■■■■■■■SX■■o<■{■■■P■■h  
■■■{■■■■■■1■■X■■■6■■■\*■■■>bRk■■■3O■■;■■■>dRb■■■■0■■■&|■■■■■■FA■L9■■m■■■a■■■&M■4■sM■  
■L0■■■■`■■■■■■)X■■+■■■<R■■■V■■■l■|■■■Uh■■:■■s■>-■■■■■■Du■■a<■H■■■■D■■■;■■■z■4■■P0,V■■  
■■c1)■■x(■&■■|■■■C1■XL■&&■■■■■■■■■■@<T■■■■h■■rx■■ES■■■■c■(■rD■■■Q■■■■■■F■■■2■■■\$b1y41■P■  
■■b■Th■Q■rT■■■  
■z■■9VN■■■■■\*G■■■■B■X9■■rT■■■+■BS■  
■■b■Th■■B■x■r\*4■x■r■X9>M9^■■/V■OS■■■\*■■■■■■■■b■■4■x■r■X9>■■■M■X9>M9^■■/V■OS■■■\*■■■■■■■■b■■  
K\$■. E■■■RA3PE■Ga■■■(5■■S9u■■■■■■QW■■F■■■■X■■■■■■■#b■■5'vV■Z■j■=■,■■■■■■■■"N■@5'vy■■■  
■U0■■■"i■■■  
■■■■■■6■■■■■■00o■■7#■k■■■!■S■zc■■■■■=■■o■■7#v■1■Lam■■Z■■S■2■■0■■■■2■■■■3L■■■v■  
T■5ay■■■■■-■■b■■■■3■y■■■"■y■■■a■?■■■■■];■■s■■■-■■`■c0OIpp■■■■yb■.■0■1■'6'8■y■■■<■■■■■■9■■■  
■■0■:■■■x■■|■'■■■ ■■■■■O■6 x■■■■L■60x■■■/■MS■■^■■■■3■Px■(■.■Aa■■■■■■"■■■qx][■■9■■■x■■  
■■■■■■  
■Z■@■■■  
■Φ■h^(■0■■■l^(■0■J■■■  
#■■■■y■■■■G■■l■■■■W■■■  
+■■■■z■■■"U,■z■■■■  
■■■PXa■■■■■■■■■■■■■■3■(■5■■^■■e■■■/■■■<|■■■pz■g■Q■■■P/■L3■■■■^45■nIR-■@■■i■■b■■■V/■3■  
■■a■■E■+■■■■r/\*XaD■■■■^t■~■■■■■■e■■■■x/■■■■■■  
C■■/S■U■■■■■■:0Q■h■G■■  
■■■■\_T■■Y■■)■■\_■■■■■■3|■■■\_lz)  
`■■1|■■■■■■■■:01c■■■■■■■■P|■>■Y■■■■■■■■8O■&`|■c■J■nA■■L■x■#■■■\*■h6Q<■hIk■■■|■■■\*■K■

!yAm██████}██z/██K██████H██████xE█;█p█D8███████KD███████/██WT{█X█D,^Q███@█████x█mV███4A███+███  
█c███"████KD█+T█vY████A█TR█@██%██F███{█@██%██F███ZH█████x███(O█████T[█H██████████████████D█████]████K█  
8█B████Zw)███  
qv████████+███}"█P████████>█k(███  
qv████████+███}█D███]!█████;5█pv█8█O█)  
8███x███Q█<Z7███  
2pv█8█Od"  
8█B███'███T████████>q████████<q█K███]a███y███l██████&███y███~███&███y███~███&███y███6███&███x███6███+███OtoR"Z███████#█  
8█j█'███#█████5█████@WM█████w█████jr█████#█U█\_<█████gW█n█████&███x██████████████████8█j███'███}█████v█████l███y███8█████D█████  
8███M█~███+███O████P███████'█████h███T████O████W██████████%U█~\*v███'rl███-███=███\RE████bGx"███T3███b███b█████R█████T███,  
███y█████K█Zy@████L███y███U█B█T;███jZ███j███xWM█R=-███iEV███████]5/███J]███████.+███P,GkBc█Q-E███iuVb███████████  
███]███eZ]███  
███]███Z]███  
███]███Z]███  
███]███Z]███  
███]███%[]███  
███]███U[]███  
███]███[]███Z█V███  
██████████^███Z██████^███%v███+███  
/███Rm]███  
█████R█]███  
/█████{█████x█Wsu█]███  
██████████T;█████k████D█]███^███e]]█████d^███)███]█████G████c█████t█████  
#██████y███  
#Z██████y███  
#██████y███  
#██████y███  
#██████z███  
#z█x@█=███+███\*███████\█0██████████s██████████@z█████  
#zK{█@█=███F███████████V█q█E█8█████s-z███=███F███████████{█+███"███████████V█████G████V█1█0█████7█`█████c█<███████  
#███{█@█=███F█O█████{xby██████████8V█████C█████b█q█0███████████Xa█████j███████████@{█c███████=███████  
#███{█@█=███F█S█████{█+██████████8V█████S█████r███)███████████t███\_███████████v█████\_███████████x█████\_███#███z█████\_███████████|  
v███;'<███████████P█V█g███████████z███\_zwcg}███████████W█████n`%███]█████w███████████=███'███████████vK█████9███|███████████  
?U█████O███████████M█Z█B█████v5███i███(███HyO█████^███R\$█████R████O███`███y^Ej█████r█████  
██████████f███gq.g███0█████T█TFv███\_█;F█w███████████u███{g███████1█████U~CU█████T███████████uT███rh]XF███y███/███sn█O)█IL█  
███████████0███████████&Ms)(███████████L█>███████0  
█Jz█x█████a█`l█████@n█████C████S████Id█a████t███j&█████F█;R█1███%███"███████████Y███████{VD]\*███%███^w███|███████████Qn█████  
███████████<94███████████/█Zb████N████b████qK█(^███████:███]!^█████U8█\_███p████1███7ZV███?███L█████E█q█\███/███|█████d█████  
█████2███████████s█████O████Y████f████g████CQ'███:█████>#███1█████58███@███a████KY████d████N████xl████a███)█████y███!███  
  
█████\_████Z█h.p████!<███E███████j^█n5>█p█████\███@Rjw█████Q█████j█████X:███\_`0@█████F█X███████|█████`███}███E█H\*(i███H█  
█wR████U+█0█q███=R█P███████████A8█5███████'███████L█`███████}███\███[███████████g████0█u████W█████Z███l███;1A█████  
g███"S)█r>H███████████Q█p`V█f█w█o█\█6q███f-█████t███i███sm███>:[███████████C█████@███R█████  
endstream████endobj████48 0 obj███</Filter/FlateDecode/Length 25439/Length1 73632>>stream███  
x███zy]TE██████MoY:█████iH███████%h███4███████FC███-███"███\$█1███HP███████████q███:███████!::███████████(█████@GM███w█████  
███(,███9kv███%███████████\*LV#███E███████0█O███████████F█████A,███cn███████████A6L███/███C███████O███████G███████████0███q███F█████  
%█████k███W███████C█████\$███3K█~W███████6███u!███h█████v███W^███\W███]j███e███y███\███M3█xr███F███6███U█k███████████  
  
███████████E  
███v\$███;███Tj███W███████R█H█zk4███a███`███`fyif███████████\_███[███]███a███  
███U███████h███████tt███████y███Q███████H████6███@T███████,6███#███a███████S███±\$███V'i███████████S███t███#T#4 t!███  
███Msi███`███r███-███Z███████c███)███&███████#███Q███|V███████.j)?███&[███]███lo\*j███7U75457███M█hooW███S███]/███████2███!███████D!C█████  
███-Nju:███0███%███Z███IT███&Y███TY███O█████x█████  
███x███\*███d███q███l███q███8███G███████████P███████U███████4;Z███████████(███b███X\*9███K███/███G8███o███O██████████{b███████s███████████  
███%8███████}███████████(DD███████}███zg███#███)62███████1███u███8d1███Z███"███Fa███████KN{███:███████n███W███|███v███%Ab>8███q███  
███aG███'"LG█████@███Q███████J█████  
███]███`███+pi███'HL3█████g\*███D███@A███@fj███Y███████████d███H█Pn███\_███s███d███████;███2R███████?q██████Eu███████  
L-███████O5███████|███V=███J███████;███O███████t███████5r███)███%███████K[███\*███Zwb'y███e███n;n███>███`██████,H>███[███w███████  
███████\_███\_1███G███████b███D█████|███████7███:███N███████████}p███████████6███xX███1██████████████████0███████c███████████~███████████

■b■B■H■l■p■)t&t6<&| ■>■r2■?■h/7■9■V■]■U■u■W■`3■f■|■2■w■=■&@■  
L■S■;■\*■#■\$■^zGV■|■QPW3d'■-■H:■B■B■>i■]■d■:■|d#■m■-/n■yl■|■m■}■Q■a■f■  
■d■EL@]■&b■j9"■\*■E■Iz■w■gl■H■|■wi■o■g■8■C■8■2b■Sy■-■F|■/Cg{K■-■\$4■|)■  
■W6■-■]■!■CN■S'■C■x■H■u■.j■qc)■pD■DSybe■53k■?■-4■C■v■S■  
■]■rD■u■{w■A■S■^■??■M3■C■}{■9■2■-■+■|■9[I7UH■'■G■-■  
■j■<■m■i■g■n■2■8i■R■9b■I■M■k#X6)D■  
■H■uS■ZA]■D■{mx■>■{u■}■l}■R■mJ■S■(G■Y%■W■0■B■=■|X■F■|>■  
■\■>■]■Cpw■e;1■K■;■6■MT■|■\*■'■.■@■r-B1■%"■>M■J■\*■IM■>I(■  
■&S■=■M/■]■M■]■1■a\*G■4S■4■3L■}6B■4YZ,G-■e■"k■1}■n■  
■vVqp■S<■p■(■t'■l■q/QY■1Q■G■tR■  
K■j■G■sp■\_C■4O■h■!■@■A■S■R(■g■\_■@■G■\_y■or1\*■7■L■^Jf■  
■\$X■o■M■m■]■v■T■Dr■L■t■Z■j\*■q■D■@■U■>m■C{■@{F}F(W=■vk■  
■X■  
■LZ■.■f■E`r6@■É1■`■co]■#■L■u■{■7■n■,■&■%■³■  
s!■v■Dc\*■D1[■&u■}■<■<ge■]■U■m■+■9■|■w■9.■U■~■y■Y■=nm■  
^O■g■H;■MCQ.■6v[■0■=■;■zPx■/■WY■q■Gx■~■-■/■Zgg■7■D^■9=r)■\$■  
■a■TW■e\■{■r■<■"■]p■q■n>3■\_■dX■]w■j■OC■W■  
\_■e■[■/7■w■3\*■L)■|■;g■]■u■h■M■^■G■+■h■G■wn■a■K■}■|■;■  
■BY■  
M■SQf■O■q■[■e■s■#■L■A■@v■9■S■n■V■P■:■\ZV■~■+■/'7■kú■g■  
■%/l■7\$■\_J■|3■Z■\■|V■K■r■?9■=■H■[■T■{■L■c■u■%■U■M?e■q■\_■G■o■{■!■n■  
nF■t■q■>■&■{s■<■t■d■l■%■mi■m■mq■\■]■x[■co■g3■d■  
■i\_■>wO}■#~■>■w■n■Skp('■uZ■aO■+■v■|■w■  
Sa■Z'■t!■S■V■g■w■nt■B8■\_■if■U■r■&■bo■7■Y■z■|o■x■pJ■C■  
■O■>■Y■C■|■+■UG■x■6IS■M■>■g■P■aSur■o{■i■Kt■K■  
#V■  
#\*■i■FDb■1■41■HL■!■&■&■XCL■\$■b■  
hb■DCL■ML"■h■)■IDb■1■41■HL■!■&■&■I4■\$■#1■F3■!■)G6■S■)GF■Th■rdC9■&PC9■ro■  
■MCa■i■4■F■  
■8MCa■i■4■F■  
■8MCa■i■4■F■  
■8MCa■i■4■F■  
■]■(■i■h"R■7■=■m■{■%■A■R■X■'■5q■uO■q■KS■n■R■xb■b■  
+■X■3■3■#q!■T■!,■W■z■!8■t■g■qAN■3■H■%■5b■\$■2'■  
■<GL■g■9y■<'■\$r■yN■g\*~■  
■X■5p■#8ω■Tp`■|■'j■<■]■>EM■+@■yE■+@■y"■y■uE■\$■y■<'■p@■yNd■<Gh■>■  
X■#■/■#Q■-w■6■s■,w■w■  
■,■D7>■T■#■/■|■AyAt/■9b■s■"■D2■@■#■/■n^■<■x■x■q■x■  
■]■^■P■V%■\$■!u!■jH■%■@■"■m@■!x■m`■1■P■@■^G&V■  
L■0■F■F]■PXA■T■PXA■F■=■  
■Y■F■>■  
■Ba■>/■V■  
■Ba■Q■X■Ba■z`■Q■g`■/,■(■5■^■f■q■/■"■pz■Q■"■}■b■3T■P■  
■E■+■U■0■b■}■#■{■X!■;■W■@■^G■}X■\*■x■,\*d■~/■x■,■  
C■\_G&■3|■~X%z)■  
`■1|■fP■:2■b■P■|)■>■Y■fP■5■q■0^H■V■R■/■&■\_■&■B%■|■@~U■m■\$■\_b■  
■"■  
■D■^■b/■\$■{■\$■5■%v■\$■s■|■n■e■AW■Q■x■n■z4■~;■W■/■.■+■  
■5■AW■v■3■  
!yA■+■t■D@^■/■WD■#■K■h■D4^Q■x■E■7■K■PJ■KD■+Urf■  
q■2■+■\_■/■7■B■"6■  
8■B■=\$.■+■g■  
8■B■=\$■\*■  
q■5■pv■8{H■  
8■B■=\$N■+■  
q■Z■g■  
8■B■=\$■}■k>Dm■gW■+■C"■Q■!■N■]■\_■T■v'■'■+■#O4i■pv5■E■/■gW■  
;■\_■;U■4■xj■S■t5■3■ZF■i■2■8■O■O,■\_■j■S<■|e■%■%■}■j■K<■  
■}■T■s\*■'■x■T■O■W■%U■\*v'rl■=■\RMm■]■{■<■K■x;U■LM■j■[■uj■T■,■V■

■v■■■-`■  
■v■■■(.■■■  
/#\_&Z)■■■  
■#\_■■w■■■^H■L■■■+■■■ud■■■x■■^■i&q■L■qW■V■■■<■■■■0■■}■■■J■■■T#■■■■k■■■V■Pw5m■V■■■■J■M■■■j■■■wV  
o■Z■■■■■■■■L5T■■■+■ik■j■■■|Wx■■■2■■■T■■■■c■QmU■■■  
■■■Z■■■■■■■■L■V■■■+■■■k■8■■■■+■■■k■j■■■|Wx'■2■■■■■■f■e■L■■■■■■~■e■T■■■,■■■e■■■\^■]]■D■]■`^■J■  
#■■■A9■■■+■h■■■■■■■■|■h■■■■2V■■■R■■■■e■0■■■■■■XaD[=■>■■■■z■■■>(c■■■■■■■A■+■■■\*■■■■■■Xa  
#:K■■■■■■F■■■■■■■+■■■■f■■■>`Xa■■■■■■■  
#■■■■■■V■■■#■■R■0■0■x■■■>`XaD■■■X}■■■■■■■■■■F|■-■Z■0■0■{z■■■>■XaD■■■x}■■■/■■■■■■■■  
#z■■■@■■■■FtQ■■■■+■■■■8V■q■■;■h■p■0■w■■■>■XaD7■■■}■■■~■■p■■c■■■■■■■■  
#z■■■@■■■■<#N■■■■■■■+■#■■■■■■■■+■#N■■■■■■■+■#zD■@■■D■■#N■■■■■■■+■#■■■■■■■■#■■■■■■  
@XZcqXs■■■c■■U■\*  
aii■3■i■■■W■H4■■■g■c■■■■L■F)■■■■i■■:4■,■■■■e■■A■■■=■■ZB■■H■■1n■4■|■■■C2(■■T■■■#■■  
■■■2p■■■N■#■■%■\*■■■■Y■■A■"■■■  
"S■■h■■■3■7S■■■■■■■■:e■■■■Lc■M■■■a■■■(■■■P■■■a■5■b45■9■■■■o■■■■?■=■è>■r■,■t■■■KL■H  
■!■?@■■■■Z■\*bF■■■}■nd■=■i■R■■X=■{■■■L■z#E■a■■■■■■nM\$■Et■■■■>■r■■■■Q■h■\$U■■■■■■  
■■■#+■■■■4U■■b■■;3■■)■■■Vv■■■■A■■6■■■  
n))■■■w■■■\%■h■■■IK-l->W■s■■1■■■l)■;■  
(■■■  
■■■■h■X  
■\$■■s\_■n=■■v■■wM■T■■z■y:■rw■■■■■■■■ol■■■>\_■E6/■mOb■■■■<■HP■■■|■i■b■1■■■!■A■■■■  
■■■■■uE■g■K:B■\■■■q■|■y■pQ■(■■h)■■■■■■@■■■1■  
■v■■■^MA0,,■■K■e■■\$M■|■■■r■■■e■■■■■■■■sC■|2■■d■X■i■■■#\*=■■M■■■■>\*:■v■■■k■■■■■■  
!■#■■■■>■3&■■;■■■n■(■■{x■4Nb■1■■■sn■  
`■■■Q■5OpT■■■■■■CFXxD■LU■■■j9■■■■■■■■■■K[■■■"■=1■■■■■■3■qN■tK=■,■■■=+r■3■■■&■■■MU■\$■  
■■■■■■U!■a■■■■■■■%■■■1'w■■■+■k■■■d)■■■■+RQ■■E■p#6■X■■■■■■■■!D5■Ff/■■■■■■g■2■■■5■  
■■■Uc■■■■■■[■■s-■■■/|\$■■■■■■7■■+0■■\$■(■■■%■E=■KN■.■4■^■r■5■■;■■■d■4■4■■■■a■■■&■Z)■■■N■■■@  
h■■■■■■H■d2l]Q■■■■■■n■■■■l■■■V■■Ct■Ó}■■p■@■BU■F\_Ol■■h■■■W■■D■u■■■■■■}■■D■K■}■■■D  
■J■■■&■a9■■■■■■■■■■t■■GD■VIÜ■■T■■  
■h4■■■6P■z■K■■■■■■■■?■■■S@%■e■■■}■■■Q■■■■■■e■■■>■|■AZ■■■3■■■#■■■■■■CSX■■■■■■y■■V■0@  
■■m■2■7m.0M■.}■■■>■■■LnK■■■T■■■P■■■P■■■/■■■;■y■■■d>G■Vx■■Y■■■■■■■■  
@■■■\*■N■■■■■■C■■■x■L■■■cq■■■A■■■{FZ■■■■■■7■Q■■■■■■&■z■■■e\*■\■■■-o■■■■■■\_■■■■i■■■@r■■v■■  
■M]■■■.T^■■■Dd■■■f■■Lz■{■■U■<■■■e■■■?■■8q■5i■6■■■{■q■■■■;■■■■G}o■■■V■■■■■■H)■■■&■■■■  
■  
■K■0■■■■■■e■■Y■■■g■=■■■■o■0■■J■9■A■(X■LF(■e■j■■7■\$f\$+■■■■■■k■CRclz■■■%~E■k■■■?■■■{■■■>■(■■  
■\$■■F0■■■,■=■Q■q■■■{A■w■■1■■■<"^bN■f■|■■■■■■;L.KbQ■dX■■■■3■■0■Wq■■■■f■v■\*■\$■■■■K■■  
k■\ft■■■|■\*■A/■8p■■■■■#C5■■)■z■  
■{■6+UM)■■■\$■■■■■■■■~■\*■■■|■■■z■2■■■■\$u■  
J'4■L■■)o=c■■\$pa"■|■?■■■■7h■T■;u|h■■■n■k■o■■■|■■■■W■4c■■■■■■■■■■yUS■[■■~■[■■■~■>S■■■■  
d■■CR,T■■■=8■z/■■■■Zpf■■x■■■e+`■9■■■■|■■■■e■■V■■■■■■]■■8■x■■■E■■■l■[■9n]■■■-DPÛ■■■■■■  
■■■■t\*■N■■■/^^jb■<■■■m■■}■(■■E+■■■■■■■■8■■■~■■■■■■i{■YVX7{■>,■■■l■q■■W■■■■■■hf■■3■■y  
endstream■endobj■49 0 obj■</Filter/FlateDecode/Length 226>>stream■  
x■■]■■j■0■■■~  
■■■Cq■■■■c■C■■|■■■JfXl■8■■■}e7t0■■■■■■■■}m■K?)■■■■■■[■9,d■z■■■■■■L■r■IG!■■■9■■■!■■■ycqN■■■■  
endstream■endobj■50 0 obj■</Filter/FlateDecode/First 76/Length 661/N 9/Type/ObjStm>>stream■  
h■■Vmk■0■■■+■■■2■■■RH■■■■■■4■■■}p■-58qp■■■■■■■■|■■2ha■■■;■t■■■,■  
■■■O%■R■H■R■1■■■l■■■■& \$8■■s■■■A■■■!SrvF■G7■■■■v■M■■■~"R■z■-■■■|■T■D■■■ZGpF■E6]■■)■■^b  
■■■■Kp■îT■■=xK■V■■■@?■|Q■■■■/bv~n■H■■v■■■■■■~■■■ki■■■  
h■■■/■■h>8ot■~■■■H}■■[■■■[■f■■■V■■l,■■p"■■■X■f}■6■■5■■66M■■■■■■■■>■■■}M■■■■■■■■■■■■■■■■■■■■  
endstream■endobj■51 0 obj■</Contents 191 0 R/CropBox[0.0 0.0 612.0 792.0]/MediaBox[0.0 0.0 612.0 792.0]/Parent 1621 (H■■Vmo■6■■■\_q■■aR■&■■■■v■■■),T■■■:■B■x■R{u■■■■{■■h■■u[■■g■y■■■Cr■■G■■■■■■c■■■■■■■■G}■■■■  
■■■■  
■■■-■■■S(■■■\*■■■Eq■■■■r■■■■Z[■■F■■■K@,S■\$Y8■■■■BK\*■■t■■%■■■;M■■■■■■->[■■\■■■r■■■em■d■v  
■g=fd■■■■■■e■■■&B■■■u■M■RL■b■■■{■■■■■■\*C■U>#■■■b■r:■■8■■■■■■■■g■0■■;■B■!CkU■■■■■■a■N■■■  
endstream■endobj■53 0 obj■</Filter/FlateDecode/Length 606>>stream■  
H■■VMk■@■■■W■■■-■■■■■■hb■Z■H`■■■S■■Kb■IK■~g■■ecl■■S{■F■■■■■■■■NNN'g■p■■L■■a■■■■■■dz■  
■'■]■■■■X%■!■rq■■■.■■■■■■■■:■\$■■■■■■■■O■■■1■8■■■/■@■9■■■■0■■■■=■x■■■C■{■■■■JlQ■■■  
■\F■{■■■L■■■■■■■■"J■■■  
endstream■endobj■54 0 obj■</Filter/FlateDecode/Length 827>>stream■

H██V██O██0██~██\_q██1R██N██!&██hb██h██S██1██4██my██^Z███:███  
███C28███!..V{om██a██BJ███!██Q███47J██c███gr██3███7██L██\C:gJq██i██&x███}>%███a  
œj███,███B!1r)5███n██o0l███D███U███w9^@███p███b███`███}\$███iEG███FX███Sd^███p███]!V███.███  
/███m}███vXi███Mb)7███t███T███J███:███`███.███}███e███N███Z4███5Xu███:███#███la███BAj███`███N███  
███wy███l7D███5███q,pH███{███}███k███Z███;b███  
███`███6███6███"███L███I6███RW8███SK███"███X███4███+███55███/███W███d███|███"███^███\_███=███U  
endstream███endobj███55 0 obj███<</Filter/FlateDecode/Length 730>>stream███  
H███VMO███0███W███1███cK███,███R███B███IW███P███'███z███e███yo███<███S███  
███B;███  
███7███W|███V███4w1███F███h███h███B███+███\$███i███`███N^"███}███Z███'9███z███  
███6███e███À███N"███a███-███9███o███  
███u███#███q███|███z;t███B███|███A███J███D███#███g███PL.███hrqz>███Z███\_███LJ███Yt/v███9███`███Y███4E███J███F███  
███qluN███4███V███9███sh███0███7███Q%███D███d███(o███B███K███P.███&iy███\$███%███k(███%|███t███=███  
███Lb███y███G███sa███e███V███{███(!███8███"███+███T███S███o███e███B7Z███c███p███p:U+███K███Uh███  
endstream███endobj███56 0 obj███<</Filter/FlateDecode/Length 932>>stream███  
H███VKO███@███W███[███Ry███-███z███`███(███NC"███<███n███|███W███Wi███P███J%:4███P███(███  
███Z#███uW███Y███#6███X███)███L███(5███X<AQ██████.███1███e███L  
|FZ███1███a██████"███Nhds███jA)=███+\$███oa███ÜG███28███p███5███3███^███K\_███îT███>███W███o███|███  
███j███)███J███1███J███\$Djv!███4███kl███`███h,,m)███\*███\_███B███3███  
1███3███0███C███,███}███8>███W███m███Z███2███:███8███`███  
hv=███V███>███/6███!s███g███.███Ycsl███AQ███E███y███%;███)(███%███G███N███3███u███Z███c███  
endstream███endobj███57 0 obj███<</Filter/FlateDecode/Length 878>>stream███  
H███V███J███@███}███W███cz!m███DtTpAX!███"███xeV███]███~███ug███&███:███|███\*███Z███F███!███+███'███LA███v███  
███-███-███v7███c{███x███O███(███g9███w███f{███6███677███'███U███M███J███-███(███H███4<d███<n███\*███(███  
███>███x███?███4███g███E[███"███?)&███c███N███N███u███6███  
%███R███@███6███r.███-███\$███i███S███!███[Qx███s███?G███c███@███\$███w███rb███,9;███-███%███j███S███J███?  
███/#i4O███\$███l███{███}███I7}███W███[███]███+███H███+███;███:███o\*███f███H███vN)███ÑE███  
███/tW███q68l███h\_███(███f███o███CE███\_███O███.Ü███\_███w9███]███K███{███E███|███b███<███|███;███  
endstream███endobj███58 0 obj███<</Filter/FlateDecode/Length 804>>stream███  
H███UMO███@███W███[███7███E███J███"███"███U███(███DQ███}███g███IH███7███2███3o███C███k███I███&███|███@███}███  
███  
███LJ███0███2?███e███-S███m███u███  
███a███G███m███;███3i███Fc███o███O███~███Xjs███-y███  
███j███w███g███zg███U███1z███Z███h███'███@███8███A███)███H███\$███-███e███g███Z███  
███uy███cv███  
j7^███\_0███\███h███V███x███c███2███9███Y███<███7=|<%███6███e███f███m███B███oc███&-███O███N███Z███UY███  
endstream███endobj███59 0 obj███<</Filter/FlateDecode/Length 639>>stream███  
H███VK███0███W███h███,███1███m███[███[0███!███%███l7███B███;███z███Nmo███O3\_███\$███0███iE███\$███\$███;███(███fS███  
endstream███endobj███60 0 obj███<</Filter/FlateDecode/Length 25>>stream███  
H███3███tw███  
8███H███  
endstream███endobj███61 0 obj███<</Filter/FlateDecode/Length 10910/Length1 16975>>stream███  
H███V███pT███n███l6███B███-███IH███!███dKv███B███t7?███@Bï███8███b███:███c███&███  
8ej███δ███P███TF{J███}=o███P███8███}███s███=███;███/{███o███|███p███,███a███Fe███O███H███+ZW███|███I?███  
0███P'-███W███3███&?/███+███&s███9███\███"███va███/███\███S███X███t███p███c"███,███0&J9███b███U███'███9███/  
███N███i███L███  
)b1███0███F███j███a███M███6P-███O███S&O███Gx███X}███T███d███>j███x███6███,███.███e███2███mbm███)███4███\███<███^f███  
███):███+~==███)███>███'███M███\$███|███j███B███/P)~███B███t███4███~███{tV███P███y███'███  
Q███|Oeu███M███U███b███Q███Ld@AYf███4mf███7███~███^███|███5███S███4███m███Y███}███X███W███j(███D███W███  
███n███Y███^███|███ú███z███qx███B:███3gFg2███3███3███U:███'a^███2t[███T███t███Dg███t███<}>~%&███ND███p███  
███  
███f███in███M███\_███q███Z███t███9d=f;m███6███\_███\_███y███\$███{███a███u███  
███E███c?███-███/\*u███RC███}fw███.0███@███]4███}C+███e███h███x███Q███p███&pE███R███%███JJNfv███N███,███  
j███(███E███dB███u+███J███4███c███\*███[3███8;███,███?███~███~███s~███5███\███Q███<███e███a███0Lh███Σ+███  
███B███!!W███f███=███o@███ufP███3███\*███<███D███AB███Bw███C███Qaq███S)+███H███n███xEw7███>███t███<███  
███DV███Cs1███cf███Fu███?Z███E███ee███[███w=███%███T███X███r███W███<]███n~███~███=]███%███  
███^b███G███"███q███\_███|███v███7███!███#███G███M███2███<███o███et███a███|███.B]███9)███h███f███@9███\$███1███  
███(███\███@=███EL███te██████=███L███  
███s███a███>pd███8███\███^███jj███x███k███#███G███u███85███1███H{R4███J███]███;███sd███

```

N#####y#####[C#al#e"#####y#@######{#####Yh#`f#F#r#G#####Q#####f#####|#####
(T#"######{#fQ"Xd#####!#####9#gc1;S#*Q#q3,1_V,#####~#####K#i#####FpP#@#####*#####@#Wi&4!#1]N>#
[u#####<#lst#p#####$[#b#7"#####47"}ez#++S7#####b#####Ql#####(#####E#####'U#####i1#####.#####2#}xU# # u#D######?#
W#####V#Cv#H5#####!\#####9#}#s#####rglf9#6{#$H#####}@>#####u#=#F#####&#####t#K9#pfc#g#V#####
#"#####;k#i#####`#>#3w#####s#C#####0L#####F###.#####*l)nÓdO#]#)#####b~0S7<#J#M}'#####Z#####a)#####
'!#l#n#####i#####d#####N#####q#####G2#u#####w###={######xoa#####SG#####|#m#####C#t#####s#####9#####i#oF
ui#####S#S)#####-#L#!T#####Xn#>#####i#=##{#####Z#s;#####/#####4#%#####~#####Ye#w#####J{#####2#cN#j1G!#$~G#
2#p#####|#####F#####K#####4G#K#####f#####'p#####wn#:#3#?a?#P#####Q#L#Jth#<#####e#####t.#K#####j#####i'b#####E#
#s#####(M#O#>#>#=######d{r#lD>#####>|#)#####O#gQ,bK#Dy#M#####m#####tQ#####h#####x%#x#####)
#Ro#####C#o#b#
#w#####e:#####E#Lm#####X###<#####Y~#####u'#####DC#;/0#####X###!#####.#####E#Bi#####!9#####Y#
#b#####&X#L)R###+###Y#
}#####i#:#;#####0n#####H#####H#!###j#G#s#uu#####e#####/T#r#####S#W#TE#####
eXj;#
h?#RC#(T)S)##~OJ#j#j]#V#####?e#&#####f#####|#####{#{#># z}4J)##c#####'CS#####w#}#####i#_/#
/######y#####<A#####q###)J~#####a#q#g#####4###-###2###y#za#
###)###S#####i###)#####Y#####+###N#####z#####^#####s`[E####=######F#####CtJ#####v#####w#####u#####%#n#
#####tO#####<###L#\\h#####$jt6#####F#58#####f#N#FF#L{#####u#####w#####.v#####|#####TeW#####u#####i#####P4#####^3#
Y#####_R:##~#Z#%J#####7#kY5]#&#####|#####+#####E#####y"#####y#te#4#JG#8#U#~#5#####5#o#?|#####A$
endstream#endobj#62 0 obj#<</Filter/FlateDecode/Length 372>>stream#
H#\#####0#####>E#####E#K#"#v
.#8#6#v#1J#####~#bN#####>#####r#<#####Y#n#]#####4#####f5###];#####k:=#####u_#A#####2#####c#f#####C3#h#
#=#qL###'#####0Eb
#N#u# #####@
#D#####8#l$#r#=#A#"#OD#####i%#
#####)#!###O#####i###
#Vp-#Z#####3#####D#b#####[#####u#=##o#####=#=#<#s#####~#####
endstream#endobj#63 0 obj#<</Filter/FlateDecode/Length 13793/Length1 20553>>stream#
H#U#TTG#####~7#,";#####
*###C#5j#K#Lf$*"#####*###;#h#q#####wq#####n#V#####kt8G'#3###:W#####$H#####HX#####
n#yHh#####u#####]#####;u#####{#####Y#####?#####/#####a#cbG#####5zL\#####q###'LL#4y#
oq###_g#####~#####!#####f#&#?#####&#{#r#0#M-###B?H#V#####E?T?#####OSr#M#####0#m-#####*
551#M#M#&2>4>0#7#5###2#0#K#####q#:#6cWc'cGc#Qo#####%5#*~#KLx[x#"YIzWN#x&i#####[###5[#####
h#m###h3m#####*#x#k#B#i###=######9S###S]#r#z#
#n#####~:#@###l#t#J#####a:B^#m#N>#KG####?'j#@#t#N#####^#6#PC#lGz:l###4###t###S###P )d###t#.#e#BWQL#1#
#tm1|###j#7#Gc#7;#=#.###z#z#o#####P{#####&#b#####%p#T"###lq#~i###?#~#UG#o#####u#####t#g#####
#####$")#####)%#-#!###xk^WW#####l#L#ξ,#####b#####ygB#3#F{#l#O#####G3###|3j#%#####xWW#O#
#####w#i#Z#J#Z#####-x;#x#_]#####y#v#####B#x#####B#####r7#H#####N#"#"#W#
#=#F#L#1*s#E#####S#####93#####>#l###S#~###6#y#4#27@#_#_###A#N8e# #####2#t#####i#5#
#####B$#e#6#3$######{?#Y#o######je<###r#u0b###A:#f#T]###N#####r#####G2?#+3#####zf
>G}#v#{#####raq#3#p#####W#q#$#####Dz#####^#####|#####%#####G#####_J#:#4j#6ykp#v#####8###
#l#t#%,#####}#i#)#e#c###L:s#####)p<#8#fq#####7#l#####h#c#0F#####u#####e#
#####/O-#H#5#\Q#####9?8W#}h#Ko#####p#####Li#^#~<#W,##b#@##<#yr#####>#.#CP.#####)##
#?#####F#X#####w
##<###z># #t###S#####xV#gX#####Y#####tF#üü!g#####abd#]9W0#"d###^###We###y#####wPq#####x#####_#
#yy#####h#####Y#[#####m#<#####?b'N#;&#####$$#####i#h###)#P(&###B#8#B#B#####l#####Z#E#
#?>
#####4#####3#####f#C#.#k#B1#####4#.#6#####a#####(###lCy#####b#####:(#R:##2p#h###S#VU###>VF#F#k#
<###a>######.'#UV#5#####q#####k#?Ut###.U#
[#N#####4#H#####+k#rK#####`#####!;###
#<#l#@##E#(###8$*#####%#####@p#.#6###&#gl6###Uv###e#####Y#AY
#l#F#V#s###*1###7#####1###!###W#8#####[###A#8#e82#/g#####8#####$#####q^O/#$^#,%#N#z# #####yx#
#j###$###-###T#5#J#L #pS#iHN###
#A#####QG#####CBDgp#####,K#E#c#####v#####$#V#L###Y#ZC#d)[#####6C#####{#<###j#6#V#####
@#####(###E#ly#####1#B#=#4 7###Y###K#####U
EE[#####Lv0#0#(R#M#####B#'#####6#####99#)#####~~#g#&k#####C8N###<>#####S#####w#f#####
#####e#####ž#####Q#8W#a#####9#P######a#####jC#####K>###^,#####b3b#yn#UU
.#p#p#$#2#v###T#4#$#8#####?#####w#F#_#t#####?>9#####/#####p#u#####Gx#/#6>#F#
#V#7g#h#d#f#####@#####q#####/#####Y*2N-#####20$#Y#####5l### #p$###:###v#####$#v#####N0#

```



Q.#####`###iDK#v####E##b\$#####=#z#M#g#####PX#####C###ED#####0###5###{###h#r#f@B)###IS#####  
6Td%####F#Up####Q[ul#\$z;Z####  
1#2###c###%#####8r?D#p#####1###q###a###F#####(Hy###!#;#R\U###n#WQ2######[#####\###[VG9I#Zg####H#G#####,{####,O###|xn###p#K#########>#3###/C}#&;#####A#q###XuK###j#####"#V###&#eW###,\_5C#\#####  
#Q#####M#v#####V#####H8\*###Hxo#####]G\#####i#Z#G#####D#j###\*#####o#####7#La3#U#F#####+RID#]Y#####<L#<ò#####8Y#####yE#####@#9#####.#\$#K###E###4#(l###B###X###&"W!###5#(####{###\*###Q#YVy9###`#!###j###N###8#M,#J#5k#"###)#Cgly###n###u#,J#P#.#.###w«#####{S#####E#g#i8#c[#6#i#40###gWP#u###n#######l#v###e#:m#E###9:#V#&z#######N###&'###]###V###q#####2T~#####m#u#####?>>###J###3#r#.,###=VMw=###O#,#####Y#####7#####WM###>#h#####?###w#####-f#####m###zq#####S2<c#<#uQ#y#i#####q###;#eZ#W#####7#e#Z###  
#.#l###Z#####+#####B###]#6#V#SsYe#####u#####|bT,42%#es#####K#a###5#R###U#&j0-#####?#bUh#Y>=\*###MTP#\*#####\*#####}###Prun#n9T7[F#`#####L=#####"#####Bi#H(#N\$#!#####r#####?W#Ys#####^#####9#s#^V#6o###J#####~#####E###?.#####9[###]#9#####ok#####<%###t#####"#W###U#o#mg#]#####vX#sK#"###i#R###.\_###W#U#:#%w###C<dr#####G#####.#####}#####RL>#####o#%m#.D#####6K#####z#Xsj#####<(q###b#.,\*#H)7#####T#####m#g###q,###l?#~.#9#w#####w0g.P#q7#b#####;#)###T###M#%i#####?U###!###g###Q###D###d1#####w#<#8#\#####p?#####H#l&#?#HdÇl#a`###`#####wbI?ý#####.X###W]p######[###Qol#0#i#####k#####0#####JH###(T[##>}#####k!#8#####D#y#####y#x#u#####IX###!#J'###k#####\TMeUx#####B#g#####\_Fl6#|t#D#y9#a~s#####o)###B[:#####:\$x!G#?#####X#j###Cp###i#####,###uInn^###]5#  
#####W###;#.#z#@#####p#####0#####^R#Y=###Y####@###((#7)#9#l###6(###+#####%;#####J#@###7m#####.;#####D=[###N###~###i###O#.{###OY#####7#####Z###{###m#####\_#/..i#####))###>###!#####)&f#####f###(###"w#f#xN###O#l#####+JZ#%,#/######0#####2#####4######+#####A#rb#####j#H#j#####j###./v#f#p###i#X#o###U#####3###tR\_#####p#####`###=#####endstream#endobj#64 0 obj#<</Filter/FlateDecode/Length 405>>stream#  
H#\###j#0#E#####zl#####[###`#m#B###-###p#l#####<###w#oia###-###A#l#####b?#######^#w#c###2\S###>f###u};}#####  
#H~#o#####\_#d#####m0#####rf#####9#####`fydyfydy#gE#  
#UI.#.\Sa#0W#+#####{###W#  
L7####L#g"###x  
=#####Y#,t#8#}>#####>#>#####n#n#n#n#n#n#n#>6#?o#Wn#####d#4####C#>#W#####  
#####}b#"#  
endstream#endobj#65 0 obj#<</Filter/FlateDecode/Length 15821/Length1 23253>>stream#  
H###U#XTW#####}3###J#####7J#a7#####5uW#####AQ#b#L0#####Pl#@TD#b#f#al`#Y{,#####}#####;#####  
#####".,###;#####X#d#####C#####T?#^@pz#x#####r#3#\$`k###]D#{f#]#m#####  
#####h\*2#[###`O#8#####J#####@###ER#4C#)#####i#4#####@#<#)^OdW#K#####Bn/#####Dy###Q###u#C1#1###p#b#F"###0###!#c0### #1###b#&"#k###f#d###B.-.#%\$#####f###2ZN+P#####j#h%#####Jkh-#\$[#J#ux#Q###UD###c#a#}Q#####(T#j###N#####CE###Ce######{###;\$###J9###n#####]###]#`5#9D###[q#P#  
#wE#####<###D#  
#T2#9#z###a4#fsNo#B#X#####E#####u#####\_###}K#####8#,#s#+#M#####@U)L#dm##+j#)?#####  
#V>#####0N#X#jn#a#####f###;#####x###/######K#{#####i#####Ps#X###K###e#(5#d#M#M#ATa#####z#Zo######{#####74i8Z(+###[!###V#g#####r#9#Jl#'^#h#.######l#\$Z###<D#  
#@###'#O#zcbq###'1l###]#i#Q###j#M###J#L+u###pi#c/4#yE#####o#q#####x`  
z#'#####4#####y#E#"#####,#k#x###d#4n~#K###B###M#:#UX###~!#L###%###%#z[pv#####  
#{T)\*#R###D#P#]#58###nkp7!#####1wSc#####?#m\*#l&#v###h#>Z#>######V?#####R#####ex#u###R#a#####  
{#J#"###4#####W#:#)#####h#%UQi;Z`Cel#####j#####vb#####}#####X4>Zo#f#\$)+~#!#e#~#,,#####9###:R#}  
)[#]#]c\_h#}vV#####r#####T#N#Eh#####`#####2###2###js]7###EQ9###Z#:####q#F#\_#####j#####9#zTQ###v^#####  
;P#^a#X#Y###h#Ra)V?#####jas,###EXe#^#R p#Q###k###/9#K%d#####R###e#####F|#L#O^xf#O#####v#####  
# ##+#F#l#o#]P#####K#####<r` @ @#s#&#9#2Y###=#S###8"#####h=#u##### @#5###kd#`#M#k)#####d#####5

C#rZ\*#####tT#,#G#####k###S#Jg###QU###j###R#o###TU#####|###s#&#G#c#####;W#1#####?PO#'######  
#lb-###Y#c#:p#####c#h#?#####K#l#E#|#####j#<F#####o#=#|#####'l6(#u#&`#####c\*c#<#####5#Q#~:#####  
s#S#\$#####lO###L#o9M#Y#####i#####8.#####fm#####Y#3#s###:#^G^M#####3###|+#####.#####C#  
jo#s#3z###s#C###{D#####8O>###V#D#  
###YYL#\*#e#  
#JYIV#jd###%6#####=&####\_#####)\_#%###p!z###SBz###o###a#####x#####z#a### #5#f#####{9#####  
#F#####i8#;;###hJR#6#u#]#6#h#####yy#Y3###&9#####aMk!###y#tx#7#####  
#####p-9#####o#=###w#9i#w#####{#####9#####o9/;#####]###=#<#u###QN7>`###h###d###g/#s###V###E#  
#\$#####P>  
#####K#####MF#q#<#####|#####.(#3###^#vo###n#{#####[8E###F#####!###2r###,#X+#.#H###\$\$###4###X#  
#{#####<#####~?\_#;\$Yu###T#####%\_u#######x#####Q}'#,,#####B#####0#####N#\_#<gX9#  
#PS<1###P###N5w#####S#r-dq:lU:#h#####(O#='k#<#<#v#z###no#####\*#<#vOuQQ~#####\*#{###f###8#####

gEa\Xykx~\_'^~n g/M7p+Y\_h#y\h[?[]]~9io30!)Q[]'1i>'Z`Jl261dm[13y<Cm)ktQ@t>V~nl&4K=ryce:\*h">a]k,2p<T6~c23rzWr}{MSV<|iW'w2[])od?f-}kUI+/h%BjBvGv%Y)'e09\*%FQMq6E')/Sl&oD0j-W"#B)D"ec'L)vHB"1&^9N|\$\$/c8,cCcyH"(LQJuM)xw0+?d/\_QD\$VJgOo4qRa2\pXr\*XZ\*!tN"bN#^Yh.7RAb\p{1VjUoy9q1RollW4RRc`J1M\$J)3M(0Zt&NfI;9;H)!t|I-<f^a[wOo'HMY<eI|B87g6dA`h&a\JLRRxF>JXTS|G2~1\*C.\*DpuS`!gEp4|2s3GrG0f\p\NH~@&0Z"@qNt4t2p(RpN'@KYR`ISC>jlDj<gA|!4d#pJ;O\B/2x9MJcKsXKI9M¥)\*i2Wlmm}yKufNU)aBcXw&UoRTU<N:B|Bc[U5]SRv(Mh,\$qbtV]\$sCD6R4)TcUcH%4JH80@S\$H2'>+|S0!8QY5[:5Dw@#}cZhyBjWwsA.~>}9xl b.5AaWlZ'nQ8}s{w"oX"lu:CSS<T|K<7%))\$nEFe@C,2q@2.u#uHY(&v5&eX\$E|c-p#bIK\*3MnF'kOQJY's`a&R,r"gg"/EU:R@A=g=¢/G-z"v=fTtx[V+0A,N&H&%Dx, <Y?)<o@HVV1Jlv(\_5`^<0Q86Xh==\<Ykc0-J<X.#&\*TSz;{Xb|e|a|d|a|PG^<Oe3:6p2s\2ffq}|r|e};G=e=a|g|i5!C|w\m<8!y|XkEMv|h64~\*b'NgH?w'~7qûB7r%0K~0?e,H@k3\$ztvG>f'sMg\_7s's^VV7&Kjÿ&f|v|c|]EtZE%5A(J@\_p=L9F1cVQ>NQQ}AGh#Bd1è6U)\*UmA;#c|OH\*&)'U=rB+M|iEo`rr'a'd].Ke0<&''+FbT#|c9qR"nn,qJ.EWR:s9rN;2S&+x|a't'dlTTP(QQ=K7'BcX=sVZ<z]|F~?>2;a%<|%Zu}CtZQvp6lf+\$dV|kO^SB^jLz-X%t5Gj/L:0s6E|QblS.S66]NNI)"MgbFsOf7h|aK2F%|K\*!;b]LJ\FPXQ|}f|}|a6KPP\$"C\q\1`0JJX[\*39endstreamendobj66 0 obj<</Filter/FlateDecode/Length 429>>streamH\[]j@{\\?+//ROf|bTn}W~C{e;Or}dGr,+s=F~3G@'0d'l|cKSSGGGGGGGGGQ(p:###D|t|p-2[D|l|"M)~)0:~+))endstreamendobj67 0 obj<</Filter/FlateDecode/First 53/Length 521/N 7/Type/ObjStm>>streamhSmk0+00\$P|NB6o,qpp-58qT>=GwjiA4MPQr|w\$HjPendstreamendobj68 0 obj<</Contents 69 0 R/CropBox[0 0 612 792]/Group<</CS/DeviceRGB/S/Transparency/Type/Groupx==FrxfAQ;4bE,##=#D?hqq?HW7v&O9KWx^o>'~Kz[WT\*^lT[qk- jR>KqLJS'>~{UyFV5%<|yVU|r|sVFWXr4LB-(|UJZx63\*U:KI(=vr^W[e5kvYUr+Su~{~Q\A|L\*|zX|9\_h{\*ykh1e|a?v:Hv|i|n\$4^h4e"x,LvKµ('SV~oA[\\})E\$}8^V|Fw%SVt2}|@y\$BWFik||\$N'W'GD}Ep\_TrHA\_zMeUQ3{TYT|hp|L3}MlN!A\$: &CDz|k"J,|b|KJ|J^|wr|}[Twd|h]N|J<0;E|&v:FrrMn^>WNi3R-EmF\*g!H(BhlShn|L|yRpfE+qf0U:h|n%áH^BsH0\*Y-'Wg"A`Lr/H|t!~X Marr!|t|uq[|T|Ei|K+dP|LA>H|p;|pLV8y|+s'|)+TIDOwKAA|M:|8U]|0"m|p|-}\*\*O s1\*/H86f\

[illegible]

```

E[NIL>.)C%2X$VEgL[C]B[+]D[p]E[Q](T[h]ET[F]);#
E]]}
LG7#27B[A]B4E[a]90!G[χ]4~Lb\F[ ]M[TH]tY:]#C[
s[p]2B[R`n[Q]0[C]}j[ ]*?8);&S[3s[B]s[&]<[
{79z[S]0|c'6{f[w]c[5A[ @[:]c`Q[{T
.1E9191JY^Y
-K[ e' SQ[*A[J]H[X]C[J]v[z]UUW[;`f,liQ
F[ ]!F[o]7ox[*]y7~O!q
e[W[ ]Js&E0B[v]9[ ]X[h]IYdy<7[s]e[s]=Gu|gn[Q]XaT[c[
DK[g]A[8]w]?9<[v/O[a]?[ ];e[5r]<[Q]S{[5rO[ ]X[P]IR[
,T[G)]|J[r]g[^]n[%a]?[ ];o[_]A[%]6+[c]wc[ @ n[xC2>[
@[ ]O[ ]@[ ]@[ ]@[ ]@[ ]@[ ]~^Y'[
5b/[ ]v[j]z[ ]<[Xf]5
[ X5Q[:!X1[u]`[ ]2[b5[Rx[cj]]V[t]J[5Vl]g[ ]~ePl[q5[
&B[|Q2[A3[m]]c[M]X[
]^x3?dC[x]{L3[D$e[/C3[:2-8w[o]$Pq[g*n]hb"4x[ ]g[k]@j<[ ]`
f[S]0[i]SE;[X]z[u]Z[L]9[ ]}h[E]i[2xt[o]S[3['GZ0[*]k[_]K[([
f[ ]L^9[ ]#F[7S[*]?y[mG~[ ]U[c]L+[qn[:^<[C[|d[:!χ[G[j]
X[ ]!Ot'?[ ]q[t]x[ ]#C~[ ]&[ ]s[z]T~3[V[ ]m[m]k[w]?[ ]y[j]p*7[L]X
0
T[x]F[ ]1<[^]Y[ ]_e[ ]=[4`0Z[z]Q[H#]Q[WAF^P1gJvMd4m[q
j1[H~[n[ ]c5-[ ]>B[
h#|[^]=[ ]mf[6]u[ ]=[ ]|2x[ ]?+[ (FH[*]!6C[+[: ]/x[Rli=[
b"U[A^E>([v5[g[ ]?n[ ]}7_[ ]b[ ]+f[K[j]q[F]5[X]Z6[ ]|H[3p&1V1[ ]!e8{[
d[Z]f[Nh#]v[ ]6[ ]0[f[ ]D[i]m6G[
Y[mN[CY[ ]4[T]3f[y,[ ]=@|g[Q]n[h]L[RFo]>;8[e[ ]V7[F[;#n["@8[
2[F]U[IAf"[V]9[P] w[t[ ]+['&[*]y[ ]@ZK5[ ]h[ ]u[y]v[ ]l5[ ]L[ ]IM
v[ ]2[ ]9[P]u(8n<y[ ]np[ ]3f-[ ]L[ ]|r[ ]b[ ]g[o]R[ ]v;LV#[ ]gP[ ]#SO[6]q[
$[ ]ZnmF[ ]g;[ ]n[X7[F]l[ ]J[ ]ie*EUe<[ ]d&[ ]i[ ]DG[ ]6[i]2[ ]u[k1y[ ]6[
]HD[$[ ];y[ ]O[ ]"Z([ ]s[ ]o[^N[ ]>[ ]B/[ ]7[r[ ]_+[ ]" [ ]"R[ ]|t[ ]m[ ]=[ ]+
y[ ]j[ ]z[%G[ ]t[ ]$RR"[ ]7[ ]]K[ ]n[X[ ]o[ ]r[ ]R*VHI[ ]+[,OE[rR[ ]j[T[
]5[ ]R[ ]0[ ]&[ ]}V[ ]_/[ ]H[ ]-2A,"[ ]/[ ]<[ ]4[ ]$[ ]8%[
[z[w[ ]+:Qx[ ]z[ ]Y[ ]%s[ ]&[ ]=[ ](1/[ ]|J[ ]^b[ ]p[N]Lk?Zk[ ][ ]'H[ ]k[ ]
\1#[ ]]'#\AF[ ]sAnV[ ]1;;7[ ]4[V[ ]ou[ ]1<??qO[ ]s[ ]_Z[ ]N7[ ].(g[ ][:?.[ ]%W[ ]i
V[K]2[ ]8[y[ ]1[ ]7[ ]|-[ ]y[ ]~C[ ]>>U[ ]>^[ ]]+k-[ ]g
oO[ ]8[ ]>[ ]=7w[ ]{~[ ]_ $[ ]Q[ ]E{[ ]O[ ]|7[R[ ][ ]S[ ]
u[L]4[^P[i]([ ]x[v]d[m]2.[ ]C"[ ]C[*]h@U[ ]34[ ]('+[ ]Kv[ ]
7[ ]SpL[ ]{[,)]D[ ]]A[ ]3[ ]3X^+[ ]H[:T[-[ ]]M[ ]"2lg2[A]Jc[ ]Ox[ ]u-u[:
0[ ]g[ ]%[ ]!w4z[ ]sn{0[X[ ]{0[ ]0[ ]mM^5[ ]e[q]wn[ ]t[ ]8[ ]Y[ ]Y[_]{0[ ]/#[ ]y[ ];
[ ]|M7*[ ]}W[ ]t[ ]1[ ]ss^[ ]]Z5T[ ]9[ ],[5[-O[x]S[ ]'h[W[ ]Ht[ ]r[ ]|v[ ]
%[ ]X[S]b[j]D[ ]R[ ]"Sw[ ]Z[ ]6{ $[ ]{m[ ]??[ ]a}@[ ]/Nx[ ]!Jr[ ]e[ ]!8[ ]K[ ]
YQ[ ]m3[ ]<c[ ]8~
%(3[ ]:x[ ]b[ ]_-5$[ ]X[ ];_kl[ ]f&[ ]{![(7k[ ]&[ ]G[ ]_id[ ]z[ ]0[ ]6>2v[ ]
(U[ ]_!|[ ]<[ ]~IYF[ ]L[ ];RY)[ ]K[ ]w[ ]n[ ]Y[ ]DU0[ ]6o6[ ]7[ ]
J[ ]4[ ]7[ ]D[ ]@["[ ]Q[ ]O[ ]w[ ]]hCx[ ];r[ ]V[ ]Z[ ]?S[ ]E[n[ ]!{s[ ]7U[ ]
WN[ ]Q[v. X[ ]1[ ]w`[ ]>[ ]{[ ]M$[ ]'x[ ]cB7"~sblv[ ]q[ ]|L[ ]+[ ]0[ ]?7[ ]
cu[ ]7[ ]!zJ[ ]M[ ]4=[ ]x[ ]N[ ]u[ ]K[ ]T[ ]L[ ]
endstreamendobj71 0 obj<</Filter/FlateDecode/Length 250>>stream[
x[ ]j[ ]0[ ]y[ ]9n[KtY[E]a[R]h[ ]5[ ]1|[ ]$[ ]o[tF[ ]( [ ]]D[p[ ](-Y[ ]/g[ ]'s[ ]-
endstreamendobj72 0 obj<</Filter/FlateDecode/Length 35030/Length1 82860>>stream[
x[ ]][TE[ ]o$];M!MH[ ]!MH[ ]a5A[ ]eq[ ]BT[ ]18[ ]P[t[ ]![: ]8[,7[ ]+<E[ ]
"TT[_]&XwY[W]Lt[D]_q[eOMn[ ]9D[g]m[ ]6[ ]c[sQ[ ]4~9[ ]s[ ]l[ ]p[ ]"
-j"J-d[%U@Vlz[ ]!L[ ]! [ ]/t[ ]2)<([sAr[u]u[ ]{[ ]Q*U9[ ]G2[F]a[ ]b[ ]k[ ]
-E[ ]MJ[ ]|g[ ]tl[ ]O[ ]O[t[ ]%k[ ]~M[ ]bD>~z[ ]t[ ]~+[%_
R[ ] )HA
R[ ] )HA">[ ]H[n[ ]~[ ] HA
R[ ]s[ ]g2[ ]ly[ ]CT[ ]|Y[ ]r[ ]G#[ ]h[ ]n[ ]-[ ]( [ ]} [ ]]&[ ] )h[ ] )m[^]s[ ]T[h=
4[ ]@[ ] )J[ ]i9[ ]O[ ]G[t[ ]-[ ]v[ ]t[ ]^[ ]t[ ]N2[ ]E[ ]! [ ]/7%&[ ]Z[ ]C[ ]nJ4uk[ ]R[ ]N[ ]6[ ]7[ ]/

```

■V■v■?,■w■■■■■g■?q■}■;?■■■{■■■■■;M■■■■■Z■#■e■■■k■2v■[p■■■■■■■■■■>■■■G[z■■■■■■■|■/|/M=s■g■■■■■t■■■Y■■  
■■■■■s[+■■■■■]{■e■cT■%{ ■[BP■A■■■■■hlg■#■^■■■■■9■■■■■;■Q^■Nt■■■■■~■■■jRuEy■■■■■^■=■■■F■v■r■■■■■U■h■■  
■'■■■■■C■4Lz■■■■■9YqU■m`■4■■■cX■■■■■KO■+■■■■■!z}■}y-{■mt)■A■6■4Q■C+■■■■■~■3X■■■■■■■■■■  
■■■pz5■Y■■■m■2■^■■■■■q■■■[=■■■:■■■On■■■aM■B■■■#&5HW■■■S■■■2■r6■■■■Y■■■  
■■■■■."■y-■W■■■■■)■■■2mR■■■Gy■■■R■%■j■p■■■fOfV■F<JJ■U"■0■4IFO■M■-iz■o■0■■■n■Xc■■■J+\$#■@■■■Z■■■3K■■■  
:9■■■j■■■■■■■(■■■■■ ■]z■■■f^■■■(% 0■■■%CmR■9x■■■■■■■■■■:B■■■J■J■■■■■&5u■'■]■[■■■2■#|Y■■■=H■R■■■j■■■S■■■  
■;|J■■■■■R■g■■■■■■■■■■[■Sx■■■■■]8■■■a■p■■■■■c■■■■■;; ■■■■■81X■■■■■(■■■B|r■■■■■W■■■■■■■■■■■■■■■■■■■■■■  
■\*■Q■D■■■U:B■B■B■B■■■■■■■■■■■■■■■■■■■■■■tD.■■■@■■■■■#r■■■■■"■■■\■■■D.■■■:B■B■B■B■B■■■\*■\*■\*■■■P■P■Pu■■■  
■■■+■V■a■■■,■=■@■■■■■D■■■■■■■■■■■■■■■■■■■■■■ztD■■■=■@■■■k■■■■■r■■■■■!■■■9■■■@■■■■■■■■■■@`■Mz08■f)x■■■  
uy-■■■■■l&■■■F■■■a■■■■■]5x■X■l■■■6■■■■■>^■■■■■■■■■■}Fe■■■#■■■■■■■■■■■■■■■■■■■■■■vC■■■■■<L■G■■■■■]u■■■  
■■■J■■■C■■■.■■■■■\*■x■■■5■■■]r#■■■■■,■■■■■■■■■■■■■■■■■■■■■■P■■■!■f\*■U■a?)■]■]■#■^:■■■■■=K■■■z■0]OfB■■■ZQ■■■■■■■■■■s■■■  
M■l)yW■■■■■|■■■■8~■'G?>■'k;■■■■■S■■■8■■■  
■l■■■■■BG!■B:■R■■■Fa■sm■■■■■6g[v[■■■■■;7■■■Y<J=9■%jr-■■■■■M5■6■■■■■■■■■■K■■■■■■■■■■U■Z■■■x};■/■g■■■(■■■"■■■■■  
t■■■[o■5■@z■■■w■■■;s■■■■■EW"■■■]■O■G■■■.■k■■■c■<■■■&\$■■■;z■■■■■■■■■■,■■■■■■■■■■x■■■%■■■4■Y■9■■■r■■■  
■■■Y■■■■■■■■■■{■■■!■■■■■  
■■■#"■`g■■■JO■K■\_■■■\_■■■[Fch  
,?■R■■■■■■■■7x"■\_■J■h■F[■o■i■■■1#■h7■E■l■H=t■■■d6■■■bw■Ox(■■■■K■J;■■■e&■  
■v■■■1j■M■■■^■■■h?S■■■.■b■■■■■■■■■■■■■■■■■■■■1■■■|o■■■{■to■■■+■■■g8{■'Oh■-Cl■■■■■A■■■■■'■)■bV6■■■■■4■■■v■■■  
N■■■■■■■■0■■■S\*■■■■■p■■■■■by■■■-■■■Mv■■■.■n\*\*■■■2■■■■■<■C■■■'■#?■/■■■:■(?)■■■■■■■■■■■Z■■■fe■■■  
■~■!~N■Xh■)/■■■■■■■■■■U■■■=■<■■■;■B\_6V■V■m■■■K■b■■■E■■■Ž■■■■■n■^■U]E3h■■■]■n■■■s■■■}W■+■~■  
Wf■■■\$Nf■■■■■■■■■■\$■■■■■t■■■Ttn■■■Û■■■P.■■■w1■%ZB:■■■■■6■■■&■■■-■■■■■■■■5■Z■P■n-■+■■■o■]■■■58■■■.■  
■■■■■■■■■■:).R;■■■■■■■■8■■■.■N■s■Cd■■■Zxf■■■7■■■■■e■■■■■■■■■■+!Z■■■■■r■■■e■A■■■■■N"HTRb-■b■X-s■■■  
Yh■r■■■B■■■Yx&■■■(■2■F■q■■■^■■■■■"o■E■■■n■■■.■l■■■■■=■2■]c■K■■■■■2■leW■■■g■■■■■[■fWf■■■gN■■■  
■U■■■}■b■d'g■bv■■■h■■■■■■■■■■-R■■■■■■■■la■Ye■■■B■■■>■■■O■■■,>■R■■■R■■■',+■e%)■■■■■■■■■■|■r■■■  
■`■■■■■-■■■■■■■■d■}B~Z■#w+g■@■■■w(■■■o\*■■■■■r■■■■■■■■R■■■■■■■■^z|■■■■■■■■■■P^■|■■■B■z2■■■  
■■■:■■■F■V■■■■■■■■■■%Z2■■■■■z■■■\*q■p■■■(Hb■[W■4■■■■■■■■n■■■;■■■1■■■]■T■■■  
■■■8■■■^■■■]■?■9(!■0\*Y■■■4■ua■n■■■■■■■■■■1■■■H■■■!■■■tp■■■A5■■■:H■■■ix■#■■■■■■■■U■1■■■?■d>N?■■■  
■■■K■■■).■t!■-■hl.■■■■■d4■"Vz,■■■2L■■■<■Z■■■n())(p■/J■■■■■■■■k■■■-■■■■e3■[P■■■n■■■2■■■■■|■■■n■■■  
■■■8■g■#■■■■■Mz■A■■■■■;W■■■M■■■■■f■■■%■■■~P■■■4■P■■■)■r■■■D■S■■■■■■■■L■u&■■■j`■■■)■■■y■+■■■D■■■  
■f,■#R■■■D&F■■■L(■■■■■[■■■n■■■^■■■^X■■■■■#OE■G\_■■■u■■■■■■■■P■o■/'■■■S■■■5■■■R■■■Nb■■■■■■■■Fjh■■■  
■Y-|m■■■c0■■■>5wX■T\*■8■■■■■■■■■■(■■■■■4N■■■l■g■417■?■■■)■■■%A.■■■|■■■■■■■■o■■■Q■■■>:nyePh■\$@■■■c■■■  
■UH2■fV!■%■4■■■Am■f■|■■■■■q■@0■b■ ■k■■■}#■■■^■■■■■f2bx■■■■■/vM■E■T]■■■?■y■`■#?|■■■%■f■■■■■p■■■  
■■■4■■■h■m■i■■■A■■■■■■■■■■■■■■■■■■■■?j■■■<3■<W■5■2■)■■■CaaP■Z■■■1■■■■■Hd■0■<L■■■PPea■■■.■■■3Y■■■{■■■  
L8;■■■\*■C■■■■■(■■■■■|■■■#■J■■■■■(■:W■■■r■<■\_z■■■W,=■■■■■.■■■■■■■■■■M■■■\■■■{■■■U■■■■■■■■z■■■  
■4,e■uq■■■3m■9■■■/Ky■C■■■A■b■■■^L■■■'■■■■■■■■■■kUm■■■a■v;■VF■5<\$-r:■■■■■a■■■■■K■CE■εp■■■)■■■  
■F\$]■■■■■■■■b\$■`■L■■■C0r■■■■■hNNqR■■■s■■■1■■■■■"u■■■■■■■■r■■■■■■■■s■■■E■■■l■8v!■■■■■\■Zc8<w■■■  
■VO■)■■■■■■■■)y\$■■■#■■■e■■■G\_■■■■■■■■~m■■■0R'■■■M■■■■■■■■K?}■■■'■e■7y■■■Md■■■Y■■■■■#■■■+■■■  
q■?  
z■>■■■■■■■■q■■■■■■■■z■p■`gpg■k■■■P■■■va■■■h■■■■■■■■F■V■P■2■■■■■■■■k■Q■>■■■:\_o■■■k■■■6■■■N■x■■■}q\_■■■  
■■■■■■■■M■■■HM■\$'■■■■■■■■W■■■m■■■->f0=■■■pP■■■q■■■o■{■■■s■■■>■■■<■Fp■{■{■#■■■BX■%■■■ld■■■■■■■■  
J■■■#■R■L■  
■■■Jl■J■■■■■■■■nR■■■■■p9■■■■■c■■■x■■■Eg6a■  
]■■■■■■u■■■YukM■■■G■■■■■■■■\*m■■■Y■■■■■■i■9■'■■■■■4■-■0Az■■■3.0d■■■e■■■■■■2■■■■■■■■{Y■6■■■~■■■  
■■■■■.■4db■■■L■■■W##gx:■■■■■"ko)■8■dc/~O■■■]■9■■■e■d■■■fYk■■■5■■■e■■■S■s■■■■■■4■■■■■■■■■■'■■■■■W■■■  
■b■■■■■%3j('■■■0■■■LY■Zx■v■-■<■■■0■D■■■XK■X■■■  
&■■■■■■■■=■■■r■x■■■!■■■@■■■■■■■■X■a■■■qx:■g■■■[+■8Vo■a■■■3=\$■■■Ë■■■|■■■■■■■■T■■■■■■■■=■■■`■■■  
■■■sl■■■m■ub■■■iM■;k■yd■U■&■■■■■■■■oij■■■s■■■î■■■  
■■■"G1■A■■■L■mIk#■z:■`■  
■■■Z■<■"■■■x■■■■■■Hl■7\*■(■(C■/■■■■■|a■'■\■;■\■v■■■t■■■F\*■■■S■s■■■■■■}n■■■F■b■H■Hsl■`0■■■uTz{■.■■■■■q■■■  
dsf■■■■■■■■2■■■u■■■■■}w■f■■■■■~■■■■■!uU■■■/■■■■■■■■c~t■■■Ay■■■■■5Wt■■■C■■■m'■■■8■g■■■ARA■■■F|■■■  
■■■[■<■■■3■Z■■■^n4■■■o■■■n\_C?■■■■■■■■~■.■?■■■5'1■■■}■■■.^#■■■H■■■n■■■■■■■■H■7■■■■■8■■■+G■■■■■B■■■  
p■hH■■■xf"■H■■■h■T■%■m■q■N■■■I■N■■■■■■■■t■■■\*■■■xj=■C■■■z■■■L■■■3■Äx■■■■■/■x■■■■■<■a■s■VTl■■■  
■^■n■■■|■'p■■■w9  
■■■i\_■■■'■■■{■■■N■'f■■■.■n■■■■■■■■■■■■■■■■■■■■■■  
\_■■■fsk■\■■■■■■■■V■F■■■■■■f■■■■■■:■^9■■■■■■■■!■■■■■■■■B0■■■Vc■#R■■■p■■■]■'■■■■■■■■■■<`|6■■■  
>J■0■T■■■|■■■■■■■■Z■■■■■■■■U■■■■■■■■\_[{■■■■■■■■■■■■■■■■8■■■>\*f■■■DDgA8■■■\$@■■■3■■■E^"■■■'■'n■■■,■■■s■■■  
Au■■■■■■■■K■■■.A■U■■■h  
■B■■■C?z■■■■■■■x■■■T{■■■;w■■■■■■■■  
C■L■■■S■■■a■\$;■Q■■■■■&■#

\$HqxxQ2:|||||5 G.8u|z6"9jjpsmO'c'72\_ndH  
%j  
u'Gwp~M Lg ti <R^"k NU 7 \* ( + b ~ ,i y  
'ω" O A M N % PP 7E q{pm t CE N w> , p KO -  
 ,CZ - \* 8 %m 5 c D { z9oV% vOH = 9t e 5 ># e(5& )N eT  
& E 6 " m | \ 3 4 " h ? [ mfs c + b u ] { Ue & kz r  
y  
y 4 ; C V k O z } k J J } / p . y , TVD xU9 ^ , D: x6=AnH? 3b  
\_M?? wQ > p # \* ; iaW ~ y b 0 d mo R @ & ~ + c n f  
\_ # 2O^ k c 8 p f ~ t Ey# 2 3 Vu \_ P o 58 y ; o M W @  
jV g z \$ 4 = i F op n ] > | 2 T ; ~ \$ n < - v IXZ t tLT , k , t  
s m 5  
R zh 0 B Dj \$ 1 J t > p kemwuv pE 47 JM] Z[ 4 ` Y ? T  
H C } T [ Q } u 4 ML - t z < B ' t s r gw vZ % i < = 8^  
YY \_ W ? 7v O X ; , ^ v m r V o KK { { - y h k # 7 / - B N \* 1 C  
 . F CNk q2 . " : < f + } ? j ç < + W yZf1 w \* w + [ i  
i d ^ \* j 7 o | 4 X : { dm m a , c ! ~ 2 3 B \$ 9 - T 23 b T !  
 ] [ i 0 > 8 p c j n 1 Z ~ k Cz & f6 z - + n @ [ @ Ym  
 J o2 n 6 ! Y + h E - U # g U U S } f D & ) u ' Ó q ! \* \$ S FK 7 # 4 C 7 f \ N  
 t Wnn X U j0B o \* [ u 5 8 # { Hb YS \_ , , , XA70 x @ 0 m a WK  
 % c w D K ^ e x # j 8 < B a " 6 7 5 z 4 j m \* T - 5  
 O o C O - y ? QL1 M < | ` 9 1 % x 7 i & < R o X {  
 d J # j O g O D s { ( ' ( L l k ) M [ , j ' F ~ 3 h z \$ zi  
 g . / ; B \_ u 4 " ; \_ pg & F | } 4L 4L 4L 4L  
 T ( i i 4 @ - ~ { R e | 9 / d 8AZ s \ + < 2 B W D9Z \$ \_ x W  
 @ 3 δ ^ ( ) ; ( 9 | ( ; q T ^ ( a h e 2 B8 g HB &  
 p K C ; 8 c D 3 b 0 uRM OA H 8C 7 ( p1 w  
 u = ? & T < a > 2 0 G V bve# ^ ( y R ] ` h ) | N NuV L N  
 3 ) % y 3 ~ G " 3 J : M U ) O \_ ? gm } 3 K a & e ] = f T C  
 DXD ulfq + - 6 r - f J w " Z \$ 4 p C \_ 2 ) e ( e o \$ ; ) ^ a } \_ Lx 2 + / Q ' Z HR [ \  
 V d / ^ # K X R + z o k F j j . - ; p pe9 z8 u T n 2 : s1 w  
 g [ A w 3 M ,  
 J N O 8 BB \ ` 5 \* Q , \_ ( F / N ( s Z t DK e Z = n ) , q %  
 6 H H Y | # C ` t @ ` Hp \* ; 8 Qh m #  
 e M = a , ^ ( 1 Q0 1 s - ` X11 \ 9 q c Da 1 ) 3 È  
 x R 4 Ö  
 0 q 0 B A \ BY # i 7 G n \ < p E 0 \* x \ ( 3 W e  
 I DI87 Ýf Lb < nt & w d j Bv ! WP # { | % 9 ; Y < | t 7 \$ # 9 E R  
 C m X : \* Y X \_ { w V P E < > : \$ q \$ 9 J Q M 7 # \ ` @ & 9 Z L x o  
 ' N ; q M 0 8 : ~ t ) 1 \* [ 8 b T q 416 { | % f > 7 }  
 V H \$ % . f8 R C @ , q i C q \$ ) @ ! 1 Lh ! S O # Y 1 O  
 W ! 6 C m ] b k j j { } J . | ; \$ C 4  
 BaM T8  
 | ) c Q L " \$ ^ 06 ' l p V 5 5 F ba Q X # &  
 h ) , " O ( c 8 r K E i W & ^ g m Y - t ! u  
 c 6 x A % K a Y y < w @ N - 1 f ? | \$ D ! e k o b G E \$ \$ . \$ K11  
 zc a % u j A 7 9 z ~ s p 19 j ? ^ m " O W  
 \$ NHq \_ - , 3 m 0 2 ) Y  
 8 . g P Ma - xy Kos VI y } 0 EA m - 7 + k & \*  
 HO c q Lv L , | AO d \$ @ e & E 7 E u \$ 2 ? R \_ S  
 ' . E 7 S ^ Vz H S j ) ^ d , R ` 3 J { y , s Z L ( W r 1 o ( q |  
 ( 6 + n = ] \_ Y z a R | 7 y } s x & m l z v LRmv x u2 + \ ) " U  
 = t UNR & | v ] = 1 U s ] ( ^ ! r WEd F y U e C 6 A I \$ ;  
 , B ? F ' > C o q @ ? j x j v @ 8 A X 2 Y f g 7 S h ` < u 7  
 s ~ ' % C n @ @ ' u h 3 p \ \$ \* D \$ ^ D 7 , F ; ~ u X  
 n J ' 3 T e ' Z I Ye b U n [ 669 \$ 8 & w M V k 7 M WE W  
 & m ! o R ( 6 Q @ ' c G @ i 2 % " E c @ r < 5 ± ; # 3  
 % w Q s ( yl t d p 0 ? P \_ > 8 6 | | , / O ) h x K = 2 NO / C  
 Q , b ` t ! % 4 L p g > | ' c ' R { 8 6 b i 9 U 7 C w - n

8;;`rA~o-oJZg#/~]<VSu s<  
6PxD[g P y|g-9^}&%i n,~MD S,rU\*tb~L+  
 (1GDJTMl#>E\ulH|E(/<8&-V?x oLpuq m`\_  
endstreamendobj73 0 obj<</Filter/FlateDecode/Length 503>>stream  
xTMO+|=2HFa=U{ H H Aia% X?x}3}u;5mmJ>7n  
endstreamendobj74 0 obj<</Filter/FlateDecode/Length 43376/Length1 99552>>stream  
x}|T{>InB @ B B |"mJ[Unb>V@EEk  
E!83]oDsSF%#jXq+~}~&{0g  
S[q0?Z  
G0!a) @`Q)A  
l;,{g1z#lw o p L +O Z"w,,-}~\_>!a  
Ka)\wVzC;|q| \~ccP&VtAQ[p  
a\_zay> xqZz(Y/\_/Qs6Aq13q>\*^'7? @AxFY!}2)?  
'N==~\1Fpd%-7,6F4Ez\$  
]n hTTG\*8g= Mh hT dU Q FML\*B H" +P8f RnW2#u k V^4:i  
X^NAJ)r5^5PYFy" jvmy fs f B%j S Rm U\*Uu0R> Ai{O N" Z  
,4w+V#i\_?xk7- (^; >r°\$ %X\_9^9V)6I[Y= Q Zf! V NY?   
 R m6 vE{ | ~ v`V+nt ZI v^ .j ø D#rKop n i k[p. ` U7"E N6nw  
`Z % N J !mc ~ ~ D s y 1 | T \* e6d U wk j n W Vi N ga  
; Q=UJ [i = Fc U \Y "' { 7 & \ | M-v :  
 U P  
 3 r Z n1 f ns | @ [ f / 764: 1 X o B i } M  
E [ & 3 x \ k 8 > + Aa v P Et N & a% < S P xb 44 [c U `   
 +lc "R& 8. 9 u / 0 , k ` # 1 F ! Q1 [ w ' ^DF m 6 C p cZ q / A  
 %j Qs vBnv#W G b Bb d 7 pqQRQ \$ y i%  
 u> xJs9P \ G < C9 24 A ko ^ ^ > | & @ & y6 e224 < < 2 M5  
 C WE \*CUIWO w \* 1 p "H\* \_Z ! k E 5 j J \_ ~ u : 6 ) r \_ `   
 / p a x \$ < J \$ N C ^ h1 f J + c Z S ? d k Q \_ ] 8 n8 s  
 W s { T2 q D d v \$ > ~ / L k ~ \* x ~ < B5 & \_  
 / % H d Gpw e 6 ] 1 w > P f ' = y C l ' . < tl K ( p ? ' Y % p A 6  
 X o cl # V b E ` y 3 H | X " W G { , Q ' 8 | g @ [ =  
 i ; L b20 K > | } D a \* < D0 fu ] NW P2  
 B } G "s { V Z  
 1 3 yB ! + T ! 0 # u p + . @ Q } w x " r \ v g e \$ | q XLN c s ? =  
 & 4 ` Y 8y (od ? OK r ^t A 7 = Q \$ D  
 Q, h t: z c c \$ d @ 2 y Q [ \$ & \* ] P D 5 ) cs X " qET  
 KT (t, FS\$ B m l ] M AB k | . \* ^ m0 # / rs Z Mr m W W  
 \$ ) \$ cl " f " r; P % 96 > b e " F ] v i y = \$ } G 0 I { L v 7  
 ds sff ^ g l f } y ~ { f v \ ~ OL ? Ç Gs - A ! y O G + \$ \$ ) S Z D O g O J +  
 x r B { v 0 = \$ " E # 2 Z E # 5 x P M @ M X j i } b Q , c J , I G \ \ t [ . 1 e  
 \$ 8 # D R b + k g 1 t & 2 P e 5 v g > M  
 M b p D H s @ p > v ^ + u ~ } w \ } s ? z t my Sn  
  
R\$  
[RZ#B Om : % u J H 7 D D R t z 8 P = U G < B \* H U | v 1 un h K  
 c \_  
 U p x m h D Q m " J C x A d A j P G H 2 ; z L  
 ! . . & ] : @ ? < dul ] E ! K F { \$ z m B ' K k > 2 e . : \$ : d " ) @ \* > x L W ]  
 \_ { { 9 3 ? / } M b o - " h ? M [ G ? r K ~ U ~ { % N z }  
 7 M 0 O ` k l C < ' | T 9 p X 2 t 5 | b 7 I y S c e a l V F  
 T <  
 4 @ R - x 6 O G " t 0 4 d ( L ) t - G < J D 4 ) h G [ K H d S D H K  
 M 9 { D | P D y i S 0 d  
 c B ' c ] b Y K n u D S l ( n G { P M D K \ \_ ^ o ; N ! { L  
 R j % T % E 0 Y < + } c K b f H " J 2 , J V ~ w ~ p + : x d v \* )  
 G ? A 8 @ Q \$ N I Y 3 ! A y w P d % S 5 \* U 2 # u 0 D U Rob I \* U f c 4 c J # 1  
 HK ~ \* w \ w 1 ? ' b ~ ξ ~ y 7 n 4 [ f ~ \* φ ; w \_ s p s # \ J H / J | C j

■-■(■■■■d■%  
V4m■■■■f■■■■yF■■8■■■■gkkM■K■ZQ■■■■x■h■U■x>■%■■■■6@M■F■■Ti■■■■\*0  
■■■■f■■`■■`■■(n&■■B■■■%■■R}UcM■■:■■s■■■■V■cv■>■■■k■■■■/■lgi1■+■v■g■■■■■■p8kb■e■,■m  
■■U■■■■N■■■■■■T7;■0■MK■h■J■■■R:■<■e■uQ■■■Q■■■  
■E■t't■S■■■■\_■■■■(■7■■■#■■■■pPh■#■@■jc\■\_■■■ø9■[■l■`ZS|■)■@■■5■■■■  
>■U■■2■d■■■■K■■■|,L■c\$ei■■b1■■■■u■:■■.■y■/■■■"■H■■■■a■)■■■■<■o■■■k■■■■■■1■■3■ff■■=p  
■PX(■Q■Z■■"■■■■6■6■■■;■■b■■■N■■■■D  
■■■  
■V■■]■■■<■■■■i■x~■y■■■M■■■K■K■■■0X~■■■■c■■■S■■:■!■■x■xQ■■■+■z■■■G[■■5j■K6■H  
■■■■■u■G■.■■^■■u■w■8■■■g■\_■9■■■■■■■■■■w■■■o<s^{■■S■\■r■■W■^■6■j■■■!■■■■Q■■■■  
#■K%■■K■■■X■P■■V■c■|■■■%■■■■3■4■■■6■■\_■■■■y■■■k■■■G■\$V■^P■\■ZN■c<■/■■■>■■S■q■IR■G■C  
a■T1■3■■■7■A■N■■■■■■■■■]?.U7■■■■■■~■■W■■\_■5■D++■w■■w■v■■■\*cU■■LO■\■U:■■N<■■4■■■■  
■g■■0■\$  
R]■@■■7%|■v■N%■■■■Yx■F8■■■#■H■~t■H\*■■■■■■\_P■■■1■■■t■  
■0■■■@■■■"p■H■■■■Z■■■■■■NI■%■Y■n>■■■hT■Q="■■H■e■}■■V?■8■■■■a■■■|G\*3>T^■■■■kVN■>■■■<<■  
2K■■09■1■3■■■M■■■d■■■-+  
■■X#c■GmY■O■■>■■■RI■uU■■■{■<|■U■-6■`■zA■■R■Bs■■w\7■G■t■U■■.■\_a■5■■■#■B■■■■■■ZZ\$■■■<■  
C■■■■  
■■5[■G\$■■■■E■Z%wTZ■■■■m\_■5■■■K■)a■■■■■■■■■■W■■■■■■■■!Di■J#O&■\■`■■m■■■O■mk■■■■-[Z  
MC■■■H■L■■■#v■Q/D■hO■■■t#■n■■■o&jE/■■■[FQ■J■6■X■■■■iT  
■■NG(=■■■■?|■B8e■it■c■{W■■7#■2B■■-■■■■m^&■■■■■■■■■■'O■■■!■■■k`■■■Mge■■■■+6~}}]■■■?■■■  
■8■■d■#■■■K■b(■KD)q■■■E■■■■"■■d■■L■■8>■■■r`X■■■■■■'■+■■■■]q■T■Vx■■■@■Vi/■■Y@■■■■;■■`  
■p■MIPzSDoy■■J■-■■■Ro■■9■7A1■&■C■<u/■■■■■■■■■■E■7^F■:■■■sn■■O■&■o■■■■yp3J■■■■■■[■■■■m  
[>PE■■W'■w■■■k■■■rß■\_■■■>u■■K■■■■}■■■o<■■W?■~Jn¹■:7|■u■y■B■■■w■■v■]■s■■■C■■■W■■■V3■KV  
z@■z■  
■fR■no?■■4(■■■■hn^■■!■■■3■■■JK■!■`0MS`■■■:■;Z■■■x■■■z[■■■\*o■■n■■■]■f■■■3■-■t■L■■■nd■PQ  
■!■[■■■CW■b■■■w■■■■O■,=t■■■■■■N■■■■■■Zk■■■]d■■■#b■Yw■T■■x■■■w\$■0=■&c■T■bFe■J■<y■s■■^  
■S\*■■E2k■■■  
■■}■■■x■■■g■■|■■■■■■■■■■o■■■a■■■Z■■o■■g■■9■S>■■s■Xe■r■■R■■■>,■z!/■0Y■■■■  
■■Y■G■F■7@■[42eh■■■4■■■■■■■■■■:■■■{■■■@■Z)■A■)■:5■-■"k■DK■X■uK■■|■■■X,Gu■8■■■\*■■■■cj  
■TS■E■fm■■!K■^■■■■■■■■!■]9■■■%=adhS■■■o  
■■[■,■■■v■H■■■■■■■■W■■■■■■o■■■■■■m■■■xc¹■■■:l■■v■■fo\*■■■■|@■■P0■4■■■■\_0'■■■>\_■■■  
■■■■87■■y■%■~Y<■■;S■R(■■■■■■`■&■z■;■■■jR\■E■■■{■■8■■X■>■Zo■■■■>■J■■8■+■■}N■■■■K■■■  
■■D(i)HY■■■■U■■h■J■■■,FA■■3■■■F■%■■■■5■■'■\$■NT■■■f(■■■G■■-■xt■■■N)}■S]■■■■■■d■■■=  
■■@~■■■~■■■■■■■■■■y■Qi■4■■■■q■y■y■r■■■■X(W{■■n■n■3■.ef■f■■Z■1■L■■eV■■by■■■■~:■■■  
SJ■■H■■■■■■^■-■n  
■■■■g■■A■■]■■(RQ-■N■(■■■■V\*n■PE■J■■P■W■■■L+■■■  
G■w■■\$yU■■■■■■■■G■■■e■i■p■■  
■%|■%T■,■MWma■T]■■■a■■■■■■■■\*■■■■■■g■gw■\*v?■■■■>■m■■■■+■]S■C■■■n■■h(■■7■z■■■p■■■■  
■■w)■■■\*■■/■'■l■st■■UD■Y■■zw}xtxetg■■■m■N■N  
■■/■■■■.5\_cj"/■^■<■}■u■w2■v■■L■t■7■|■9■n`■■■\$■]■■■Y■([■v■■"■c■■■[■■■■■■■■■■\*■■O■■■,■■■  
■j■)■■■■■■+&■■■~■■)8s■■■V`-Z■■■■■■■■■■Lr■P■3■■■QE■■■■q■■■U:■■■|■■q■■■Xzéu■;j■■■  
■■M■■■■■■@u■■■6■■■K■■sM■■■■uQ■`-v■f■P■■■G■■■Cu5o?■WM■■s■■X■■■W■■'■■■■■■j■■■■■i■  
[■■9■V■c■■■■nr{^S■■AH■■o■y■0O■g■g■g]j^\*,■Z■Z■■:■■■■■■■■■■■■■■■■O\■■■O■■uw■■5{■T  
■■■■■■■■■■|■■■DP\_■&■y■d&■v■dC■■■■d■■■6■#■■Z■■z■■4■Y9■■■■b,■■■As■■S■\■■H■s■■■■■■  
■■'■■■■0■@■5xY■-xW■■■Q■■■kpwD■■■U-■■■■U■L■■■0■■u■■■@bD9■■■t■■■■■■wd,h■■■■■■B■■L&■■  
■?■■A■■■■■#■■■>■■■>Q■■9  
■■■■■■■■■■7■\■■7■\$■■■■■■■■\_■IU■2■?|■■M■|■j■■5■v■■■■/1V(■a■■■+■■X)■\_■■■■■■p,■8■■■  
o■~'■\$J\_■|■■|6■■■|■■G■"■■■\■q■■!■■4FR■d■")l6■■■)■■■\$Q~■■"9U■■■m)c■\$'■lq■■■■■■■■(■■■U■O  
B■■4■■■\$■>/■6■■■9■■■DJ■v■■■v■■■<■■|■-■■v\_■@C■-■5■-0■■■?■+■4■■■■■■■■/■z■■A)N■V:|■■■  
vL&■■■■=■M■■&H■W■■■■■■~■■U■■■%l■■hRJ■i■+5\_■a\$■Du9■■■\■j■Z■■■R\■■■L"■■■■Q■■■■U?  
■H■d■+■[■W■)■■■■■■S■|■■■S■vr<■O■■■■■■j\$■■■0f■■■;■|n■■■■r■■|n/g■v■■|■■`■e■■■■^■■2■@■■  
■■Sh■B■■■j■V■■A■A(■J■2Y■■■?■G■R■■■■|■■9b■■{0t\$■JM■■G■!■@V5■■■M■■■■V{X■■■[■x  
■#■■■o?a|■■■;c(■\■]■;■■.■.■@u■■s■C■■CQ■■■■■■■■■■■■■■■■)■■H85■Q■■■■0■■■=`■Y■■=■■5■IQ  
~■■ty\_■■■Q■■■■■■■#p|■■■?Q■■■z■l(■#■■ed■■■Y+C=■L■U■■j■S■■UB.j■■■ErA\$■■■\$■■■<■■■^■■■C■■■J  
■■Y■\*■@■#]■JA■■■■J■Dx.E■E■9■■y■,8d■■■■Z■■6■■g■■■■Ym■■\_■■■rv■■]g■■A■■■Z■■;■"■■■■/■^■■■■  
t■■■v!■Bv■■■■  
9■■■■~Nf■■■NMc■■■X■■■#■t■■x,[■■■■■■■■■■L■v■d■t■mm■■■■)■■i■■L■D3■■K■■■■■■(■%■H)■■  
■X■■■■%;■■■E■?■■■~<A\■sr■■■Y■|</■:■.#■■P■■■j3b■r■T■■■■■■■■■■|■E■■E7■■E)^■■4/■■■f#■■■,e4o



.Qt^B\$JraX`C{;VZ;99x}(Jh(v/hT.Y7GVR!!e/3CXY=f  
7j)p(S)g)pSBjhjMHZRC&Nfh8z=JmHtv\$?<br>+j\_mT+ee-U\$G\_ew7M)\A\_P]Z\_0B<br>\_mNAax,>xv~C{o}3#C8]D\Nx3JHP'O'1"\*M<br>\,iPj>WA^w7x`Jtt`p3>b<br>Xnxj017=yy\}f\_B5;RC L6s-\\!Ai++ak,,4,K<br>R60C#0#0;rE\* < t"Q<DDb @ \$' ]1\_0Nii<br>2maszmllsox-qnvjt,h,,7,#,y|lv m6[xwly||H2!4\$ i((:i))<br>B\_o+[[V8.9uNpC{s.R/P\$LA)(hHL:~}<br>4K{o:HNttcJxKr%zRyFIer?R "[1xR!Q(BT%%h%LU(P12<br>39~dCtt\_o#j:8#95Ln\_o\_d42sUwPv|>u\$ALh)L!M<br>'&%eRbLJJeQF32FcS#&HcJJN5Uy!|}JMs3<br>\$Ajq%hD SmX) @qfr./gwLkr.+ /U\*QRz) //<br>Clg+ B &:R Sn \$c9!a 0 ^ GVeS B 0 7hc \$0 4 kl+Z v\*. 3f2F& <br>k Y u W {C \_ Fdl = `I9x 1 F i NCK4lfJAVZ # ,<br>Y" 4 8bq 'z 8u TF2\_0 ' ?u n=l+ ? KV Q Pg U<br>c0 D mC&e N 8 ) E V 2X ) 8 a( +f% W2<br>b sMl8 -a 15VN 9 PX S YRa| L c d 0 B0+D2q " z!<p l: D: `x <br>JU R e 8 8 (A ^z o ; ; z - < ] tY ^g #? e ;W<br>\* s % [ R D 1S \ , TjeJ\$ J D Qd | oz ( S n n<br>4 / 2 \_ H 8X o x/0 K \ , 7 6A O d<br>" d\$ - W / / L 5 \$ \$ & # = k e E xt uh E 9 {w F<br>N Ld T\* T . P u + r tzg 8 [z \*X ) !8 5 \_ w? : N ] b6 tz [ Xo =wt T<br>42 U V - . { } J ~ s l , " X : 6j j AF \ 2g6E X VVX<br>G T |G 3W Y18 < Z o \_ 8 Voo r Kz y JM N f 0 ZC<br>a ; H n = ^v c r - kP ` z.a b S n2 rUG ^N ) tTL V Shpl L / UH ?tr<br>] L > X\* V T0 C JR z ] K va b e "" % 7k4\$) d w f " \ \* K E ^<br>D QxoH M0 ZN rK<br> \_ YT Sw \_! {k g v 9 D l ; u 9 + 3 " ~ ^ u g" ~r S K<br>H ] c h K P Cn D} k > C ZH s W y h S ] 4 k & > / ? J<br>2 aY /k y > a . ; e / ? T9Pe O X > # W V Tm<br> ` s < % < < < < < < < K<br>u < < S @ } | 6, o , i 1 5 \_m m r lkE P ? o 6 6 ^ > r #<br>f rLT { , [8R b , 6R A9 Q DF B m' T O3-<br>' # | " > Hy I S < Q G ) \* IT U % '5Dy S > Q (i Z ^ Q G 0 Gu @<br> A . 6 P V t x Fd z 9 ? Z > 8 [ D e I9 ' s e Ds p<br>x jh t . ,<br>g 0 & : H8 + Q j @ A8j B # u v # L v w ; u Df V " C e %<br>y > < ux BA x Z x Q w ivM B G' pY u G Z<br>x 1 BX k [A . . p > qs | + Q , { A . . p = # & ? gv x ]<br>Z vW ( N 1 U Gz c ^ n p c k 9CX X9 78<br>Z r. x h ? x F = o ( & 6E > p V Mt ag4 w 8 ; @ ( S x K<br> ~ \_ E# B = q & u ~ V b 0 #u 1 ^ j j < [ D c rV4<br><br>s > H V d q) 0C ` fr0 Y r B: y5 p | aN < n Q f s / } c2<br> d x A ! 5d a0 3 B Kx 6 n / [ < Q ? 2 d 3 "<br> @ > uE C L8 B ~ - xk : = Z w u; jk l { ' \ q U \ w v<br>m \ m 7T {s3 w Wu8 C[sM-4 + k @ f [ 6 A z j l g NG [ +<br> [ n = " g e x ` F l ( f P w D ) { m U7 y pu o s {Q0-f % r [N3 s<br> 7 ~ R g 5 ' i ] P R \_<br> : N L2G . ? o 3 b w p m A M ug ~ = : 7 U - { ^ / S ? < y ?<br> V @ + ( 3 ? - b j h B i " / o c > [ p D ] ap M K \_ k<br> 1V v b 9 K {<br> 1Z h p / 1 ( ? p o 1 \_ MA7 L | / V<br> M (Z mp G<br> 5 1v t , 2 E1g L t 3 e j % m & C ^ 9H x 1 Ew o %<br> .8 f ) ( h n ' (?0 c 2 A Y e 0z | B d Gg G ^ x + J . z<br> ? ; q i [ eh + wu t \ \* G & RV7 9 p r d5ee m R { > > i ( G ) + Tmi \<br> ] H





{O\_PA7<^b <2xo y51,nnk&'1  
+iV%0IY##[xssCp+@3aakoR\*q2^XDD\$&TrRr>^\\  
}"W<Ja#ZUFIG  
b-\_\mm[xbb o<=JlYs'wsuun-<a+a|\_aFF  
d\$TJ2  
b\*R&&wLELnLnL<LnLQeC[F;:eC  
c\*VBLL10STTrTS:0\*X  
e0TL2  
c\*VBLL10SHSQ\*V!)!Dr dS9E2rb)QyR @1CNrJ!HFNC  
\*j\^\*(X(A&{5nb==FNL\_||>{?9o0Cj  
ZAqE]f9uY!kKb)a3d(!e dsf9qg38A\_3(f!fD  
5ffnfFtJ\$,b,ss;D`ZE Evs w3; &z3^3`o<Z\_`%`  
C&((%33q\lR3\48x|E qFq<4RB8!g==H`Y'BK  
\_<Rh?C`Sr;s`xNqAunkk^!hMx @,,"  
mC!76gNgNQfVZ&yb  
aefq]9yF<SB&yssY019<00qy`a`x<V9  
PG@AV/pMV\Fs`h @Z\$1z11Hz13C!7^q3u4d/\*+  
x1U`K\88nW!J{+W!{\$m`x/%IC2l{+`\$m.A%  
}em>D>/`\$Q/`yA)8/q|KD\$A`i4N\$3D./d  
/q`E,\$A%`c`ZH`x`\$`IL`O`x`H<APQ:w`p`N`OQ  
D`w`u`\_B`9`leX;0`b`p`<`vb`vb`vb`@`vb`vb`N`>  
9`rv'58B`\$`gW`E`%;\*pv`\T  
9`)[|; ;(#+N(pv|)S+N#  
J]\$yb`K`p`<qH`U`y`}]`e`q`A`\*S~<16%`!~|o`+`O|T`+`O|T`L`s`q  
7; ;v`x`B`n6&6`f`W`8`C`w`q`Q`  
7<@w`k`Q`+u`2m`J`L`R`z`\*`'+1H`U`m`Y`O`+`%40`@`]e`R`|W  
\$`\\R`WxKW:WxWW8tmX[`#`5`E`@`]k`G`q`A`#8T  
u`V`{`|`Z`8`-`~S`X`9`J`λ`M`<#i`f`.IS`d`O`h2  
d`o{`u`m`F`E`36`0nd`7`\*`x`um`y27{`zDDu`3`Mn;`y`4  
w`=~!u`WX;V`9`E`a`  
z`W`]}K`9`|`c`Cv`>W`G`K`C`fOhT`++`bB`r`v`  
\_`S`5`i`F`fm`~>`z`\_`F`N`{N#`gVs`v`0`/x`o`l1`>8`}fu+}S7  
kg`F`a~`Q`"o`p`c`y`}LO`i`}L`\7`g`p`a`=0;`i`/E  
/b`/u67Q`W3p`Z`:`x`u`W`K`y`nk`^`sl`J`N=`v`  
{`/h`c`Y`+`~})P`Fq`~0`s`N`s`\$`m`\$`h`yf\$=~s`b`s``Y`  
\_`k`M`C|`b~`N`{T`j`h`6`z`H`V[.3`L`wa`E`]pk`w`19`#`h;`@`].#`n`Z`  
xh`.t`N`n`|`l`Y`r`OkXh`^`4`2`~`W`n`3`o`T~B`>cO`Lv-n\$`yww<Y  
O(6m`r`{`g`+`8`\*`M`J.7j`p)`w  
`/+`o`v`M`u`n6`o`:`V`\*(Wc}u`?U!`g`\\=/-7`}`F`\_`c`S  
endstreamendobj78 0 obj<</Filter/FlateDecode/Length 21680/Length1 78072>>stream  
x`T`w`7`'`f`YDE`WH0`L`(`W`b`0Z`ii{`e`J++`W`D`  
4}A`R`N`p`ge`|`Y`g`,`b`Y`:`[`|hO`w`A`5<`O`X`wSt`@`SB`'  
Q`L`x`-`xO`x`;O`4k`Yn`&H`7[B`NH`BF`x`a`(`zi`[  
.`#R`wT`y`7U`mY`>`K`i;.`k`)-6{`&/`  
To`lo4`f/`i#7`^`Ck`&`y`[Z`0`0a16`4`A`a`/`xW`7a`JN  
T`;S`R`Y`V`8`Km`&`&`,`~`&2m`D`J`s`a`7`.^`  
gN`|`8`8`e\_c`+`\_`4~`)}`>`>D|`3`L1`}`{`w`E`1`6`-  
"HD8`|A`|`"@<`0!`FD,"`0`z`C\$`!`B`B`P`EH`#D`!(  
;J`n`7`o`c`cc`!`^A`x`<6`g`s`g`E`  
O`^?`@IG<`x`6`c`c`!`Dl`mB`x|/b#`|~`}`{`p`}`w`w`  
?`J`e>[`Kqr`B,A,F`"&`p`#`R`8`X``<`s[`x`G`y`9`Q`=GLELALF  
#`k`%`6f`FH`n`u`DD`^`i`j`i6j`9`F`QC7`\_V`S`s`j`^fy^V`\*5  
`=Y`(\`X`.?#`Wp`m@`{3`~`H`B`-X`=sf`  
r`YE.&`%0`+`})`!  
r`M`!`r#`fr`Y`,`c`[`:`F`D`!`o`w`;`]`n`y`|h`YOn`m#|y!`Md3`  
F`{`%;`s`I0`F`zO`zfQ`}`cafp`1`f`q`~`uq`Y`f`]`~8`f`  
%v`@`(`f`H`]x`F`&`L`E3`Esi`C`|`AY`22`B`G`r/B`p`S[/`eC`n`  
|Cm`'`[A`\_`σ`h`9`P`<`BRG`&`mDEo`c`\\y`w`B`R`^`  
f`r2`Ko`N`<K`R`n`g`4`B`XR`Pa`t`d`KDL`-`]`7)`s`eZ`4ZDm`k`

yc\*^jzV'DA'#####\$'#####g#+c=/%c~5.,\*#####H#####Q#####U#####N"#####a#####r#####D  
T#####[#####],|c2lLt#####'xJ#####E#####8#####(=5#####&G#####Fi#####cR#####ll\_Q#####797&#a#z#####uB  
#####|;#yy#####%#####ZDB\$#####r#####SSuc4q#c#n^r.qjff#####I9Z#N#&#####Y<#####o[  
"u  
#####&#####-#####f\#####mv#####N#####N1#####3#####eY#####9#####ÿ(N6[#####b#####9)#####.a#4#x#9#??  
#####5D#F#####s5l#####B###/DI#?#####0#####x#####L#####W#####%#M\_T#d#Y#####sZ#y#####s2'f#p#+#p#x[#!B  
#####w#wj#\\#[lb5r#<C#x9[  
Z'#####Z#####z!#####^#:=#####  
Q#####  
X#####a#VX#rid#9\#####7#0yl#####b#####h#X#####X#D\*#####%#####qL;###;5#D&W#S`#K#Y###&#####j  
#####G#}#####M#####e#F'#####0#~#q#z#  
######OG#####M#####hK#\$#####|Val#####5#>z#####Q#'######cR#BfH#3#####Z#T!#O###?#####gZj|<#K#a<###&#####\$8cS#####1)f  
#####Kx^"#####>#####a#####\n#####m######!v#####2y#:#B#####E#####PZ#####K&\$O;#a#####)\\vK#Y#0#####  
#,,n#####3######h#####d#####QTPQF#AF#Gh#s#{YZ#####f#/94#####g?#####"#####7#%S###,###K#####/l  
%r\_#<\$,#W#####\$#M#c#####c#"#####\#####NX4|y"#####N#####z#k#,""?  
K#g5?#"0u#8#l#####rS#####o#####P#####u#####V#zU9#####:#####)s#Wg###########Cs######8#####3#####+  
#A>#####^"nw#9r#=#!%dD#:#1#e#@#!#######^s#i#####=#Z#####-@#####9#####N#Pp2^#####  
g#(######gavV.+2#####6E#QE#####  
Y#####\#<#JfJ#C#j"#####d#####(#####'E+#####9#D#####1aiqB#O#####/######T#####'#####E<#T#%#####5@  
A#####.#####9#####3cL#"T2#a1#####?#####Q;#6#####ol#####7|@#####'#####Qak#####@#####k#####J]#,,uEV#,C^\$#  
h#####5#####(,)#;#1#=#y#####L#####y#b0#~#?#KHB#&#####C2#;#####\$B#####8#####E\_h  
Q#####~#/#W#L#####}),#####[#####B#}#W#z#~#g#3#####[a#####G######}#####\_#####x######'######'#####N  
#####\_#####{#####<#####x#####<#0#####<#####<#####x#####<#####x#####<#####x#####  
#####X9Q  
2!#####:#####^#1#D#DV#w#####K#q#####dqx#####Xi#+#`m#X#S#####4#  
FBF#####A#6#EDU#x#V#Z#e#~###~u#6b#####H#7#b#####N#O#H#%5a.6#R#z#A#-h#t#/#X#6#6#  
#P5z#:#o#v,##G#i#/#l#v6#####nqb#hf#####z#O#?5X#####5U#\$\$#l8#y#(Qaf#P#H#m#G#\\  
#u#1#####aK3###;###v#  
-[#Q#+#####  
#m#v5#5#####g#####N#q#1`#####/#####]#####z#####N#6###;#####\_#O\_#####t+#####p#o  
#####n#####o#####l}#####|0`#j`#Y#0#si,#####d6{j#uBpH#{v#####>4#4#g4O#1#O#aN,Fv#qE#v  
#####}  
#####L#Y#s#####R4#k#[#####\_8-#####Z#csU#MXV#=#O#6#####-#kz#####d7#####  
#h5#^!#####H"#####Sc#>T#x#####  
#####5#####p#F#~#Bk#8#C#j0f5#]#e#f#####}#U#W#g#RvOd\$###q#ao#J1G#d#####%#  
h#bzH~#####+#r#####eD#\$\*#=#4:#>#####Wa#i+#####E0#####JvW#g#;#|#+#pi#6(#####W#U9#\_#  
#Zc#4R%#####&#&#YgCj#6#N#####H#####L)#####SH#####UO5#tz+eo#S#T#A#7###(##O#####:  
#6#####Q#####F#####R#&#Fk#&#l#####T#####f#####vXl#WR#6#l#qj#####RFnd>#####  
T#####S#bi#l#8a#tj3J^#d#4L#mzT#####SUo+\*#####X#Fs#tDi#l5#0zL@g#:#e#####c#~#'#  
#####Dk+)###%U#A#####%U#/-+#####Jk+###"#####T#####T#T#####5#/######E#E]#####m#####(#####P5%#  
#08\#####V#TA#####\A#U#j#####Tc4V#%j<#T#####QPYQ[#####hY]#\\:#F#T#5#E#@#####Vtb"#####B  
#####lvu|p#####;#####rH#####>!#####&t#####V1#s#####.b#e#p#k#\$^#t^G>#K#####E#R#(#####%E#  
#\$BV\$f#++#####&px#D0#qD#####%BdF#x#\\##"8B#####`R#0#BR\*#kJ#{#0#d#J&\$#v#.#B  
(#l)#{#l#L#####q#^vx#e#B#####DX#####n#l#K>#`#"\$Ew#####]#l,##O#@#3###.e#2!H)pd#  
#F#U#7O#Vx#n;#T#n#}#X#####?#####3#)b)#####@#n#rR#Y#1#8:\$#.#~#####h#@#"ydG.###G  
#####`#####\n#O#9n(#:#/#/#{#####7#)^sra#####i#####!#N#n#####a5#Cr8######?#N{#####;#%#W  
#####|:#####5c?#####/#####{C#<m#####Os\_y#ay#~#####"#####!#-#G#W#9#j#####R#za#q#####7p#f#-#  
#####x#####P#####L]#,\*###########a#####l#MPc#####}#####r\*?#####SW#:#24#####J#####;#####0#####q#Ym6C#  
#####R#r#\$#####k#####!#Q^#####l>5#+aX#####GLl#b#?o#3G#####]#f#####\_1#({)#<#####o=\$#>#####k#  
#####+9a#####-##e#  
(#####u#####VG#####2`#####+#####y#/######T8%#rEJ)#####{~  
#####q#####S6m#T#Xy#d######<s#6#j#l#####qx#^#=#7###;2#F4p#j^#m%x#Mz#N4kgu,##X#####\_4@#  
#####M#-#####}#####h#####~#####u#  
#####l#####wta#'#>#K#####~#d#9#F#a#####f8#m#####|#V#L#%#C]#####l#####0]#py#####{L}X#  
#####[#####6#####)1#d#####y#####.#####/#####]#####%#sRi#p#z(#####^#9#p#rB#Z;#####:Z#####  
#####\$#####h#####a#####~#Q+ku#####\_#####o=#f#####}#####l#####E#sN#~#"#,l#####{#?#####L#^#  
endstreamendobj79 0 obj<</Filter/FlateDecode/Length 256>>stream  
x#]#####j#0#####y#9n#K#####\#####j#b<#####\$#####\$#####7#ox#6#V#3#C#####bV#####f#####~#x#  
endstreamendobj80 0 obj<</Filter/FlateDecode/Length 225>>stream

x]j >E!m}Q~C~G~s~A~R=f}p\K"8 m z\$  
endstreamendobj81 0 obj<</Filter/FlateDecode/First 291/Length 1380/N 33/Type/ObjStm>>stream  
hWn7}LP hR6> [ /J+;+uP,Kr{W\_{QXeW;|E  
"s8Sq RS B AM U: P G j\$ W Fp| H T B 7{ ,X C0  
\*-4 h=\$4 ] V z +& x \ ] V V Mj{p > P}2 ] 7 { ` y |  
Hk ; , --ž \_ w ? | g ; sm 4 d : k . > XC \$ \* ' & # b Z C i J 4 h  
M ! cy # C ' L w R r @ K I z P I > } ^ | P \ B Y T B > h V X ? ? ds > 6 H  
S [ 3 T 3 N , N V . 7 ` e ; N S ur = L . L " ` > e T F  
F = g ; 1 , t K DBGa W L p U 9 a ^ v z m v n ^ G  
endstreamendobj82 0 obj<</Filter/FlateDecode/First 332/Length 1040/N 38/Type/ObjStm>>stream  
hXmo6 + " y | Nb 7 V j R d ' K , la H y < x q & A 2 ! < S ` 6  
Ki X Z ; @ L Hi " C \* x ( ( & f - - \$ R ) , : h Z # < m v - P 4 b k \$ 1  
= % # % h \_ 1 z o f # n G Gmn & 3 Gd X )  
~ M 2 0 A + ~ Wu - 4 Y z - C Gy i p { < ` ! > S ; - \$  
Q J j t 7 7 { # y m J D n < q > v f v a NE % y { V A # P In x E / x k ) a  
endstreamendobj83 0 obj<</Filter/FlateDecode/First 171/Length 455/N 21/Type/ObjStm>>stream  
hMo0  
! M E [ a 4 . C Q h  
H m q r V ! x \$ \$ h B # \_ V  
O Y - ) H Z q ' P f % U m V M u , , ) \* x q Q ] f j 0 b p S } B  
endstreamendobj84 0 obj<</Length 1260/Subtype/XML/Type/Metadata>>stream  
<?xpacket begin=" id="W5M0MpCehiHzreSzNTczkc9d"?>  
<x:xmpmeta xmlns:x="adobe:ns:meta/" x:xmpptk="Adobe XMP Core 9.1-c001 79.2a0d8d9, 2023/03/14-11:19:46 ">  
<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#">  
<rdf:Description rdf:about=""  
xmlns:pdf="http://ns.adobe.com/pdf/1.3/"  
xmlns:xmp="http://ns.adobe.com/xap/1.0/"  
xmlns:xmpMM="http://ns.adobe.com/xap/1.0/mm/"  
xmlns:dc="http://purl.org/dc/elements/1.1/">  
<pdf:Producer>Microsoft® Word 2016</pdf:Producer>  
<xmp:CreatorTool>Microsoft® Word 2016</xmp:CreatorTool>  
<xmp:CreateDate>2020-03-04T10:21:18-08:00</xmp:CreateDate>  
<xmp:ModifyDate>2020-03-04T10:21:18-08:00</xmp:ModifyDate>  
<xmpMM:DocumentID>uuid:D08D205E-689D-43A3-9B85-78EBEC9DE9D1</xmpMM:DocumentID>  
<xmpMM:InstanceID>uuid:D08D205E-689D-43A3-9B85-78EBEC9DE9D1</xmpMM:InstanceID>  
<dc:creator>  
<rdf:Seq>  
<rdf:li>NJOAG</rdf:li>  
</rdf:Seq>  
</dc:creator>  
<dc:title>  
<rdf:Alt>  
<rdf:li xml:lang="x-default"/>  
</rdf:Alt>  
</dc:title>  
</rdf:Description>  
</rdf:RDF>  
</x:xmpmeta>  
<?xpacket end="r"?>  
endstreamendobj85 0 obj<</Filter/FlateDecode/First 991/Length 3884/N 100/Type/ObjStm>>stream  
hko6 A \$ ~ B 7 Gk ( 2 { GK Z ) 3 ! y y G . 4 kc XS  
H : d v 7 n v ; b 4 h 1 d # > fp q  
w NF | H P 0 y  
& O ) < L S 0 y  
& O | B { = G = 2 Q z # Gt = ] z D # Gt = Z z #  
4 % \* ^ ^ K Q 1 4 Z ku V Z ku D Kt , D Kt , D 1 P % \* 9 T ! + Y q { z Q 9 =  
P 9 @ r 5 " 9 ! E ) r H C R " 9 ! E ) r H C R " 9 ! E ) r H C R  
P R T j > G > ' FG = : Q zt \* x . o o o K V 1 j L r 4 { v ?

\$\$\$Q%MM~GZ~|RR&ooGG\$M\$MZIcui:{ZNN<j:NNè,j:NN  
BB\*xx\*JJdd\*JG\*JJdd\*J4\*JJdd\*  
\\\*  
""H\*  
@@\*  
\*\*\*\*\*a\*\*\*\*\*  
;;JJ\*\*\*\*\*J\*\*\*\*\*;  
NNUUWUUpU>:Yq;c=Q:sM,,,"/,"/,"/,"/  
\_tEE\_t~Em\_t)EE-\_t|EE^t{EE66Pw;;jjyyCm!tt0\_"6\_  
\*\*\*\*\*?Eess`dd`  
endstreamendobj86 0 obj<</Extends 85 0 R/Filter/FlateDecode/First 877/Length 1036/N 100/Type/ObjStm>>stream  
hGG\_Jcdd,B!GGwT5#{9d>AB6uFC'3  
D.\\>f>wF,G]XX"XX[%xLcJi'raXh2E@5||-\_AQZZ/(p|  
H!EFx05r.4X]U(gBU(+v@ @JPCø\*sI5(/  
endstreamendobj87 0 obj<</Extends 85 0 R/Filter/FlateDecode/First 868/Length 1216/N 100/Type/ObjStm>>stream  
hW]k%7+%%)(la!o!iB{dL!)(X'Jj  
ÉDj5b--Za{#1WvX's-lrra4/yKyOHHJ92')pJJ:Gz5>W`64  
%\*G)Xh;4ddT,NuuY;|a0W(d00nG`IG3v'aaS##S#SYG(\*EEI  
bmm#\_#iBBACg,fN\_N7?)t#`/||{x|P|B\*|1wMZ  
"4DSS1rrc49Z}\*!BCDzzzS  
S4ffKiZ==+}rOβwwi'Vmw;eWa{o}=}}iJ^\_u\_zeJJ\*\*\*\*\*  
w<)=y'-GoQy~awTO0oWUv{xx&βyUrrn  
EjuVw.W"V4rTqn\*UZ.l\\g]J#GG]G,54zP||m|M|6&>  
GIG]<VJ]Xzz,JGj\*'\*'\*'\*'\*'\*'\*'0rrA6--o;Vf6\$~G}p~  
endstreamendobj88 0 obj<</Extends 85 0 R/Filter/FlateDecode/First 864/Length 1092/N 100/Type/ObjStm>>stream  
hn7EEY/A/@@bfb58[o0\*!lkp9  
6ZhmLB6WCC#BL'hhhB  
.VVooO`ZZ?==4||&'>l'mdCvV?Q12JJaf'"H.x  
\\..xBnn(d/(PA8sGGm i,o)1\*.....CD\*ET\*TT&%%PTTO@?r  
0+@+@\*XX[o79d3#vcnn0\_tYδ8L3-δ8:4>///GG  
endstreamendobj89 0 obj<</Extends 85 0 R/Filter/FlateDecode/First 864/Length 1100/N 100/Type/ObjStm>>stream  
h==GGR7OO,@P`80d!+[(!.....z8k~.,fzl1m"<dWdd@B1m  
e&M/@@YKKKKK"el  
eW(g  
PR({z)#^  
H/NEfnX, & <`Q,"t,MaaXECCy0#([6'ss}s}gOw||  
jj/[s] @ ^08p  
endstreamendobj90 0 obj<</Extends 85 0 R/Filter/FlateDecode/First 864/Length 982/N 100/Type/ObjStm>>stream  
hGGGE`"8Y  
\$Hpb^EE7Xw|UOcc4Dx co\$`h!A; }b^"bKy)Cy#610D  
!P6@4Cg  
PV(\*PV(gPPR(Gz)wz)wz`a`hL/cDy`aj/^eJ/uJJ~--BCY==gl/%  
endstreamendobj91 0 obj<</Extends 85 0 R/Filter/FlateDecode/First 879/Length 1600/N 100/Type/ObjStm>>stream  
hd5\_ %ovYB[  
\$}AA{32-"gNN\$>^YK+.,/f7Yz  
hhYc2} Q^&4Zn\\P'FZ#oq21;;n)|a'v  
l|v2j<OV]5w;C3!gwwDy'oGPvv\*&%;;  
\*8Q\*\*\*\*\*Bj(b"Cp`hq'Z'hqUnD})II::8H9j  
S6c`c"d#7S)e^#1Oq-T(Op~8?Op~F](U\\55  
endstreamendobj92 0 obj<</Extends 85 0 R/Filter/FlateDecode/First 967/Length 1104/N 100/Type/ObjStm>>stream  
hAA]7jjl|-BBIBEhC7ttB~tt@tg3YY=c[ofBm'ncVcn[XNNqqu7^  
xb~b`l'd})ib#2?-1:Lw04fo`bPqq,`  
xHtr!`  
gg@sX-a5~c{V(cX)1{6c7<L#c[\$[&  
a{!P&'pgggZ}k| |}\\-wxx  
0{wss`oEVyEZ9#s\_`w: k\_`  
gV^}++GXW5jQ,,?w`sGL\$O,<DrccM~7oü?gf=s~3







endstream■endobj■startxref■

116■

%%EOF

---

Page: <https://www.njit.edu/academics/student-leadership>

[Student Leadership | New Jersey Institute of Technology](#)

[Skip to main content](#)

[Close Nav](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

Funding Opportunities  
Proposal Preparation Forms and Guide  
Pre-Award Services  
Post-Award and Closing Requirements  
Grant Management  
Research Compliance  
Grant and Contract Accounting  
For Students  
K-12 Resources  
For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations

Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now

[Home](#)

[Academics](#)

[Beyond the Classroom](#)

[Student Leadership](#)

[Student Leadership](#)

There are many ways NJIT students, both undergraduate and graduate, can develop student leadership skills, an integral part of

[Beyond the Classroom](#)

[In This Section](#)

[Undergraduate Studies](#)

[Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

The Lisa A. Pierce Center for Leadership, established in 2004, offers a wide variety of leadership development opportunities ■s

Taking advantage of the leadership opportunities that NJIT has to offer provides students with the experiences and skills that will

[Get Involved](#)

■We encourage students to check out what we offer.

[Learn More](#)

[Callout Link](#)

[Fill out an online](#)

[application today!](#)

[Apply Online](#)

[Download a brochure and learn about NJIT](#)

[Download](#)

[Schedule a visit to campus](#)

[Schedule a Visit](#)

---

Page: <https://www.njit.edu/careerservices/resumes-and-cover-letters>

[Resumes and Cover Letters | Career Development Services](#)

[Skip to main content](#)

[Menu](#)

[Career Development Services](#)

[Search](#)

[In This Section](#)

[Home](#)

[About](#)

[CDS Advisory Board](#)

[Career Outcomes Dashboard](#)

[CDS Metrics](#)

[2024 Post-Graduation Outcomes Report](#)

[Top Employers and Graduate/Professional Schools](#)

[Starting Salary Data](#)

[Contact Us](#)

[Get Prepared](#)

[Resumes and Cover Letters](#)

[Find Your Career Advisor](#)

[Events and Workshops](#)

[Interview Prep](#)

Career Planning  
Alumni Career Spotlights  
Career Assessments  
Career Closet  
Find Opportunities  
Handshake  
Co-op & Internship  
Micro-Internships  
Career Fairs  
On-Campus Interviewing  
Additional Job Search Resources  
Graduate & Professional School  
Report Employment  
Community Service  
NJIT Votes!  
Volunteer Opportunities  
Community Service Work-Study Programs  
Service Learning Program  
Alternative Spring Break  
First Year Service Day  
Garrison-Kirk Community Service Scholarship  
Non-Profit Agencies  
For Employers  
Career Fairs  
Agenda/Display Information  
Directions and Parking  
Co-ops/Internships  
On-Campus Interviewing (OCI)  
Branding Opportunities  
Sponsor Packages  
Become an ELEVATE Partner  
Hiring International Students  
Top NJIT Recruitment Partners  
NJIT Alumni Campus Champions  
Starting Salaries  
Report Hiring Outcomes  
CDS News

Home

Get Prepared

Resumes and Cover Letters

Resumes and Cover Letters

There is no “perfect” or right resume format. The format you choose will depend upon the job you hope to find and your past exp

NJIT Hiration

to create your resume in a format that is ATS friendly. The system has tools including resume creation, cover letter creation, job

Get Prepared

In This Section

Home

About

Get Prepared

Resumes and Cover Letters

Find Your Career Advisor

Events and Workshops

Interview Prep

Career Planning

Career Closet

Find Opportunities

Community Service

For Employers

CDS News

There is no “perfect” or universally correct resume format. The format you select should be tailored to the specific job you are s  
Additionally, consider how your resume will be processed by Applicant Tracking Systems (ATS), which many employers use to  
NJIT provides a platform called NJIT Hiration.com, where you can create your resume in an ATS-friendly manner. This platform  
Remember, the primary purpose of a resume is to secure a job interview. It is the interview that ultimately leads to a job offer.  
Create an impressive resume with resume templates, optimize your LinkedIn profile, prepare for interview and more!  
<https://njit.hiration.com/>

---

Page: <https://www.njit.edu/tour>

Campus360

New Jersey Institute of Technology

Loading...

New Jersey

About University

As the state’s public polytechnic university, we continue to invest in the renewal of our existing facilities in addition to adding new

NJIT offers more than 125 undergraduate and graduate degree programs in six specialized schools instructed by expert faculty.

Powered by

Contact Us

Schedule a Visit

Makerspace

Guttenberg Information Technology Center

Guttenberg Information Technology Center (front)

Campus Center

Central Avenue Building

Campus Center

Walkway between Campus Center and Fenster Hall

Cullimore Hall

Eberhardt Hall

Eberhardt Hall

Fenster Hall

Campus Center

Central King Building

Central King Building

Campbell Hall

Campus Bookstore

Colton Hall

Weston Hall

Life Sciences and Engineering Center

Laurel Hall

Oak Residence Hall

Greek Way

Faculty Memorial Hall

Dorman Honors Residence Hall

Athletic Field and Naimoli Family Athletic Center

Cypress Hall

Microelectronics Center

Wellness & Events Center

Tiernan Hall

Honors College Lounge

Robert W. Van Houten Library

Robert W. Van Houten Library

Dorm Room

Cafeteria

Cafeteria

Campus Center Game Room

Central King Building Study Area

Basketball Court

Fitness Center  
25-yard swimming pool with diving area  
Makerspace video  
Soccer Game Video  
Biology Lab Video  
Student Life Video  
Central King Building Study Area  
Walkway to Student Mall  
Student Mall Exterior  
Student Services Mall--Interior  
Makerspace Exterior  
walkway to Makerspace  
Biology Lab  
Makerspace 1  
Soccer Game  
Student Live  
Your browser does not support the video tag.  
WEC  
Makerspace Experiences  
Albert Dorman Honors College  
Cypress Hall  
Oak Residence Hall  
Majors at NJIT  
Management at NJIT  
Laurel Hall  
Best Meals  
Central Avenue Building  
Guttenberg Information Technology Center  
Makerspace  
Fenster Hall  
Financial Aid Info  
Eberhardt Hall  
NJIT Superstitions  
The Campus Center  
Campus Safety  
Career Development  
Greek Life at NJIT  
Academic Support  
Interesting Things about Albert Dorman Honors College  
Central King Building  
Naimoli Athletic Facility  
Colton Building Brick Sculptures  
VentureLink  
Favorite Academic Experiences  
Martin Tuchman  
Colton Hall  
Makerspace Info  
Life Sciences and Engineering Center  
Research at NJIT  
Best Places to Relax  
En  
En  
Zh  
Join Campus 360  
Schedule a Visit  
Contact Us  
Home Page  
Share  
Add Story



×

Story Type

Story

Label

youtube/vimeo video url

Upload Files

\*

Maximum 10 images (up to 10MB each) and 1 video

Upload Image

Embed video url

youtube/vimeo video url

Story Title

\*

no more than 65 symbol

Description

\*

no more than 900 symbol

GPS Coordinates

\*

Drag the pin to the appropriate location

Make private

Create

Add Spot

×

From Point Number

\*

Ath

\*

Atv

\*

To Point Number

\*

HLook At

\*

VLook At

\*

Add

×

New Jersey Institute of Technology

New Jersey

Address:

323 Dr M.L.K. Jr. Blvd, Newark, NJ 07102, United States

Phone Number:

+1 973-596-3000

Email Address:

admissions@njit.edu

Website:

<http://www.njit.edu/>

Contact

New Jersey Institute of Technology

Loading...

Full Name

Email Address

Short Message

I agree that my contact information can be shared

cancel

submit

Your message was sent successfully.

Join Campus 360

x  
Full Name  
Email Address  
Password  
Start Exploring  
or  
Join with Google  
Join with Facebook  
Already have an Account?  
Login  
By creating an account, you agree to  
Terms of service  
and  
Privacy Policy  
Login

x  
Username  
Password  
Forgot  
Password?  
Login  
or  
Login with Google  
Login with Facebook  
Don't have an Account?  
Sign Up  
By creating an account, you agree to  
Terms of service  
and  
Privacy Policy  
Forgot Password

x  
Enter your registered email below to receive password reset instruction  
Email Address  
Send Reset Link  
Already have an Account?  
Login  
Email has been sent

x  
Please check your inbox and click in the received link to reset the password  
Log in

---

Page: <https://www.njit.edu/careerservices/news>

News | Career Development Services  
Skip to main content  
Menu  
Career Development Services  
Search  
In This Section  
Home  
About  
CDS Advisory Board  
Career Outcomes Dashboard  
CDS Metrics  
2024 Post-Graduation Outcomes Report  
Top Employers and Graduate/Professional Schools

Starting Salary Data  
Contact Us  
Get Prepared  
Resumes and Cover Letters  
Find Your Career Advisor  
Events and Workshops  
Interview Prep  
Career Planning  
Alumni Career Spotlights  
Career Assessments  
Career Closet  
Find Opportunities  
Handshake  
Co-op & Internship  
Micro-Internships  
Career Fairs  
On-Campus Interviewing  
Additional Job Search Resources  
Graduate & Professional School  
Report Employment  
Community Service  
NJIT Votes!  
Volunteer Opportunities  
Community Service Work-Study Programs  
Service Learning Program  
Alternative Spring Break  
First Year Service Day  
Garrison-Kirk Community Service Scholarship  
Non-Profit Agencies  
For Employers  
Career Fairs  
Agenda/Display Information  
Directions and Parking  
Co-ops/Internships  
On-Campus Interviewing (OCI)  
Branding Opportunities  
Sponsor Packages  
Become an ELEVATE Partner  
Hiring International Students  
Top NJIT Recruitment Partners  
NJIT Alumni Campus Champions  
Starting Salaries  
Report Hiring Outcomes  
CDS News  
Home  
News  
News  
News  
In This Section  
Home  
About  
Get Prepared  
Find Opportunities  
Community Service  
For Employers  
CDS News  
NJIT Students Can Now Get Professional Headshots via a Self-Serve Kiosk  
Monday, February 10, 2025  
New Jersey Institute of Technology is introducing a new service for students seeking jobs, internships and cooperative education

For 6th Straight Year, NJIT Is Top 50 in Entrepreneurship

Tuesday, November 12, 2024

For the sixth straight year, New Jersey Institute of Technology's undergraduate program for entrepreneurship ranks top 50 nation

The New Neighbor to NJIT's Food Pantry? A Career Closet

Thursday, September 12, 2024

Responding to a student need, New Jersey Institute of Technology has opened a Career Closet that supplies free dress clothes

Princeton Review Names NJIT a Best College for 33rd Straight Year

Tuesday, August 27, 2024

New Jersey Institute of Technology has maintained its remarkable run in The Princeton Review's annual guide to the best univer

Record Number of Students Go One-on-One with Employers at NJIT's Career Fair

Wednesday, November 1, 2023

A record number of students and alumni attended New Jersey Institute of Technology's latest Career Fair — 3,300 — with some

Celebrating NJIT's Hispanic/Latino Employee Resource Group

Wednesday, October 4, 2023

NJIT has established employee resource groups (ERG) that meet regularly and encourage faculty and staff to connect outside o

NJIT Among The Princeton Review's Best Colleges for 2024

Tuesday, August 15, 2023

New Jersey Institute of Technology once again finds itself in selective company in The Princeton Review's annual guide to the b

Industry Partners Recognized at NJIT Career Development Services Awards

Friday, May 12, 2023

Throughout the year, New Jersey Institute of Technology's Career Development Services welcomed more than 500 different em

Princeton Review Gives NJIT High Marks for Value and Career Placement

Wednesday, April 26, 2023

New Jersey Institute of Technology maintains its national reputation for return on investment and career placement in 2023 rank

NJIT Career Fair Growth Fuels Changes, Innovations for Improved Experiences and Outcomes

Monday, February 27, 2023

NJIT's Career Development Services hosted its marquee event, again besting attendance and participation numbers over its pr

1

2

3

4

5

6

»

---

Page: <https://www.njit.edu/precollege/future-stem-family-workshops>

STEM Family Workshops | Center for Pre-College Programs

[Skip to main content](#)

[Menu](#)

[Center for Pre-College Programs](#)

[Search](#)

[In This Section](#)

[Home](#)

[About Us](#)

[Our Staff](#)

[Pre-College Advisory Board](#)

[Sponsors and Partners](#)

[Publications](#)

[Contact Us](#)

[Student Programs](#)

[NJ GEAR UP/College-Bound Programs](#)

[NJ GEAR UP/College-Bound Program](#)

[Upward Bound](#)

[TRiO Programs](#)

[Educational Talent Search](#)

[Upward Bound](#)

Summer Early College Preparatory Programs (ECPP) & STEMx

Saturday Morning STEM (SMS)

Academy College Credit Courses for High School Students

Dual Enrollment Partnership / Options Program

FSI -Forensic Science Initiative

Educator Programs

STEM Forum for School Leaders

Outcomes Assessment and Evaluation

Research Experiences for Teachers Archive

NJ Forensic Science Education Conference

Teacher Prep Program in Forensic Science

Virtual Learning

Family Programs

STEM Family Workshops

Family Open Houses

Virtual Learning

Competitions

Elementary STEM Challenge

New Jersey Science Olympiad

News & Events

Events

News

Home

Family Programs

STEM Family Workshops

STEM Family Workshops

Held on Saturday mornings, the workshop series gives children age 8 to 13 and accompanying adults an opportunity to explore

Barbara E. Weller, Ed.D.,

Senior Director of Program Development and the Forensic Science Initiative,

weller@njit.edu

Family Programs

In This Section

Home

About Us

Student Programs

Educator Programs

Family Programs

STEM Family Workshops

Family Open Houses

Virtual Learning

Competitions

News & Events

STEM Family 2020 Highlights

Code Saves the World

CSI: NJIT

I Want to Hold Your Hand

Code Saves the World

Saturday, February 1, 2020

Using an on-line computer game and Scratch, families solved real-life problems with the guidance of NJIT Professor Michael Le

Code Saves the World -

Workshop Highlights

CSI: NJIT

Saturday, February 8, 2020

Use STEM and Forensic techniques to solve mysteries

CSI: NJIT

by Claudia Sroka

CSI NJIT -

Workshop Highlights

I Want to Hold Your Hand

Saturday, February 15, 2020

Learn about biomechanical engineering and make a hand that actually works.

I Want to Hold Your Hand

by Dr. Levelle Burr-Alexander and Dr. Barbara E. Weller

I Want to Hold Your Hand -

Workshop Highlights

STEM Family 2019 Highlights

STEM Family Overview

TryEngineering!

Cracking the Code

Simple Machines to BioMed Devices

STEM Family Workshop Series

January-February, 2019

Program Overview

by Barbara E. Weller, Ed.D.

TryEngineering!

Saturday, January 26, 2019

Dean of the Newark College of Engineering Dr. Moshe Kam pilots you through the Engineering Design Process as you become

Welcome to the Newark College of Engineering

by Dean Moshe Kam

Build a Better Candy Bag

by Carolina Yanez

Sail Away

by Carolina Yanez

Cracking the Code

Saturday, February 2, 2019

Information Systems Professor Keith Williams guides you through coding like a pro

What I tell my daughter

by Professor Keith Williams

Simple Machines to BioMed Devices

Saturday, February 9, 2019

Simple Machines to BioMed Devices

by Barbara E. Weller, Ed.D.

---

Page: <http://www.njit.edu/alumni>

[Development and Alumni Relations | Development](#)

[Skip to main content](#)

[Menu](#)

[Development and Alumni Relations](#)

[Search](#)

[In This Section](#)

[Home](#)

[Alumni Connections](#)

[Events](#)

[Get Involved](#)

[Alumni Leadership](#)

[Alumni Benefits](#)

[Awards and Recognition](#)

[Stay Connected](#)

[Welcome new alumni!](#)

[Alumni Directory](#)

[Jobs for alumni](#)

[Log in to Highlander Nation](#)

[Mentoring](#)

[Volunteer Hub](#)

[Giving to NJIT](#)

[Your Gift Matters](#)

[Ways to Give](#)

[What to Support](#)

[Thanks & Recognition](#)

[Highlander Highlights](#)

[Donor Events](#)

[Recognition Societies](#)

[Our Team](#)

[Foundation at NJIT](#)

Whether you graduated last year or 50 years ago, staying connected with NJIT provides benefits that last a lifetime.

[Alumni Connections](#)

[Events](#)

[Calendar of Upcoming Events](#)

[Save the Dates](#)

[Scholarship Brunch](#)

[Celebration](#)

[Homecoming](#)

[Learn More](#)

[Volunteer Leadership](#)

Our alumni volunteers help NJIT promote and advance its STEM-focused mission of education, research, service, and economic development.

[Learn More](#)

[Benefits](#)

All alumni can enjoy exclusive Alumni For Life benefits, including special services, discounts, and more.

[Learn More](#)

[Awards and Recognition](#)

For more than 40 years, NJIT has recognized outstanding alumni, faculty, and friends for their significant achievements and contributions.

[Learn More](#)

[Stay Informed](#)

There are many ways to stay connected with your fellow alumni and keep up-to-date about what is happening at NJIT.

[Learn More](#)

[Make Connections](#)

Join Highlander Nation, select your interest and a matching algorithm will find connections with similar interests and backgrounds.

[Learn More](#)

[3000+](#)

[Alumni gave in 2023](#)

.

[\\$15.6M](#)

[2023 Total Giving](#)

By giving back, our alumni and friends help NJIT move forward.

[Make a Gift](#)

[What Our Alumni Say](#)

After graduation, our students join a vibrant, connected community of more than 70,000 alumni.

[Connect with Us](#)

"The graduate program provided me with a diverse education."

[Carol Hong](#)

[Class of 2012](#)

"Working at Callison RTKL after graduating, I saw a lot of my experience at NJIT really having an impact in the field right away."

[Jonathan Isaacs](#)

[Class of 2018](#)

"I credit my NJIT degree and connections with helping me land three job offers within two weeks of graduating."

[Bodhi Chaudhuri](#)

[Class of 2000](#)

---

Page: <http://www.njit.edu/research/>

[Research | Research](#)

[Skip to main content](#)

Admissions  
Undergraduate Admissions  
How We Evaluate Applicants  
How to Apply  
Admitted Students  
Graduate Admissions  
How to Apply  
Admitted Graduate Students  
Graduate FAQs  
International Students  
How to Apply  
Applying for a Visa  
Tuition & Aid  
Tuition & Costs  
Financial Aid  
Apply Now  
Contact Admissions  
Academics  
Degree Programs  
Undergraduate Studies  
Majors and Minors  
Academic Support & Advising  
Graduate Studies  
Graduate Degree Programs  
Online Graduate Studies  
Colleges and Departments  
Beyond the Classroom  
Study Abroad  
Research  
Internships & Co-ops  
Community Service  
Student Leadership  
Van Houten Library  
Architecture Library  
Professional & Corporate Education  
Pre-College Programs  
Research  
Office of the Senior Vice Provost for Research  
NJIT Strategic Research Plan  
Research Data and Publications  
About Us  
Centers and Laboratories  
For Researchers  
Funding Opportunities  
Active Programs and Grants  
Proposal Preparation Forms and Guide  
Policies  
Pre-Award Services  
Grant Management Guide  
Grant and Contract Accounting  
Post-Award and Closing Requirements  
Grant Management Software System  
Research Compliance  
Responsible Conduct of Research  
Institutional Review Board  
Institutional Biosafety Committee  
Laboratory Safety, Training and Compliance  
Animal Care and Use (IACUC)  
Export Control



CITI Software  
OMB Uniform Guidance  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPP FAQs  
Intellectual Property (IP) Committee Members  
Commercial Enterprise Development  
Contact DIPP  
Educational Grant Support Resource  
Educational Programs Support and Centers  
Academic Achievement Program Agreements  
Funding Resources and Opportunities  
Proposal and IRB Templates  
For Students  
Undergraduate Research and Innovation Program  
For Industry and Collaborators  
Courtesy Appointments  
Distinguished Research Panels/Seminars  
Research News  
Research FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Maps and Directions  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities

Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Moodle  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Moodle  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
NJIT Implementation of Recent Executive Orders  
Institutional Response on the Implementation of Recent Federal Executive Orders with Updates on Federally Funded Research  
The Office of Research provides institutional support and services, as well as fosters new opportunities to enhance NJIT research  
Foundation Board of Directors Excellence in Research Prize and Medal  
The Excellence in Research Prize and Medal is awarded in recognition of a sustained record of contributions that have enhanced  
The NJIT Foundation Board of Directors is proud to award  
Bharat Biswal  
, distinguished professor of biomedical engineering.  
Previous Prize and Medal Recipients  
Highest  
NJIT Earns Highest Research Rating (R1)  
Source: Carnegie Classification  
\$167M  
total research expenditures in FY2023  
Through our many funding opportunities, we're enhancing NJIT's research enterprise.  
View Opportunities  
NJIT Research: Linking Laboratories to Lives  
Resources

Funding Opportunities

For Researchers

Intellectual Property & Commercialization

York Center for Environmental Engineering and Science

Center for Translational Research

Quick Links

Office of the Senior Vice Provost for Research

Research Compliance

Research Policies

Undergraduate Research and Innovation

Faculty Awards Initiative

Research Funding Opportunity: Pivot-RP

Contacts

NJIT Research Magazine

An overview of our growing materials science and engineering cluster, where engineers, physicists, mathematicians and chemists

Read the magazine

|

View our research publications

|

Research News

Research is an integral part of a strong academic experience and a critical priority in NJIT's 2025 Strategic Plan. The university

Our research enterprise is comprised of core and transdisciplinary basic, applied and translational research interests through five

Bioscience and Bioengineering

Bioscience and Bioengineering

Learn More

Data Science and Management

Data Science and Management

Learn More

Environment and Sustainability

Environment and Sustainability

Learn More

Material Science and Engineering

Material Science and Engineering

Learn More

Robotics and Machine Intelligence

Robotics and Machine Intelligence

Learn More

National Academy of Inventors Chapter at NJIT

National Academy of Inventors Chapter at NJIT

celebrates the outstanding innovation and invention contributions of faculty, staff, and students. To quote NAI President Dr. Paul

Research with NJIT

Research with NJIT

is a collaborative effort by the New Jersey Economic Development Authority (NJEDA) and the Office of the Secretary of Higher

What Our Students Say

We provide exceptional academic, research and innovation experience to students at all levels.

Learn More

"I'm working on microfluidic biosensors for cancer detection. We hope this technology will replace invasive biopsies. "

Mehnaz Mursalat

Class of 2020

"I am gaining an excellent research experience at NJIT that is preparing me for my goal, which is to be a general surgeon."

Tinghan Zhao

"Department of Physics provided me with skills and resources to perform and present research in four different countries."

Dylan Renaud

Class of 2018

---

2024 Excellence in Research Prize and Medal Recipient - Bharat Biswal | Governing Boards

[Skip to main content](#)

[Admissions](#)

[Undergraduate Admissions](#)

[Freshmen](#)

[Transfers](#)

[Admission Requirements](#)

[High School Counselors](#)

[How to Apply](#)

[Admitted Students](#)

[Graduate Admissions](#)

[How to Apply](#)

[Graduate FAQs](#)

[Admitted Graduate Students](#)

[International Students](#)

[How to Apply](#)

[Applying for a Visa](#)

[Tuition & Aid](#)

[Tuition & Costs](#)

[Financial Aid](#)

[Visiting/Non-Matriculated Students](#)

[Dates and Deadlines](#)

[Apply Now](#)

[Contact Admissions](#)

[Academics](#)

[Degree Programs](#)

[Undergraduate Studies](#)

[Academic Support & Advising](#)

[Graduate Studies](#)

[Office of Graduate Studies](#)

[Online Graduate Studies](#)

[Colleges and Departments](#)

[Beyond the Classroom](#)

[Study Abroad](#)

[Research](#)

[Internships & Co-ops](#)

[Community Service](#)

[Student Leadership](#)

[Van Houten Library](#)

[Architecture Library](#)

[Professional Development and Executive Education](#)

[Pre-College Programs](#)

[Research](#)

[Office of the Senior Vice Provost for Research](#)

[About Us](#)

[Faculty Research Committees](#)

[NJIT Strategic Research Plan](#)

[Research Data and Publications](#)

[For Researchers](#)

[Courtesy Appointments](#)

[Funding Opportunities](#)

[Proposal Preparation Forms and Guide](#)

[Pre-Award Services](#)

[Post-Award and Closing Requirements](#)

[Grant Management](#)

[Research Compliance](#)

[Grant and Contract Accounting](#)

[For Students](#)

[K-12 Resources](#)

For Industry and Collaborators  
Intellectual Property and Commercialization  
Available Technologies  
For Inventors  
For Industry  
IPTLO FAQs  
Commercial Enterprise Development  
Contact IPTLO  
Undergraduate Research and Innovation Program  
NJIT Research Centers and Laboratories  
Research News  
Research FAQs  
Proposal Preparation and Submission FAQs  
Grant and Contract Award Set Up FAQs  
Subcontractor/Consulting Agreement FAQs  
Grant and Contract Accounting FAQs  
Purchase Requisition FAQs  
Personnel Requisition FAQs  
Research Compliance FAQ  
Responsible Conduct FAQs  
Institutional Review Board FAQs  
Institutional Biosafety Committee (IBC) FAQs  
Institutional Animal Care and Use FAQs  
Export Control FAQs  
Conflict of Interest/Financial Conflict of Interest FAQs  
Streamlyne FAQs  
Contact Us  
Research Staff Assignments  
Feedback/Comments  
Research/Technology Inquiries  
About NJIT  
Key Facts  
Rankings and Recognition  
Administration  
Senior Administration  
Administrative Departments  
History of NJIT  
Our Mission and Values  
Alma Maters  
Visiting NJIT  
Campus & Parking Maps  
Maps & Directions  
Virtual Tour  
Public Transportation to Campus  
Local Accommodations  
About Newark and New York City  
News  
Contact Us  
Life at NJIT  
Activities & Organizations  
Hispanic and Latinx Leadership Council  
Inclusive Excellence  
Career Center  
Campus Center  
Housing & Dining  
On-Campus Housing  
On-Campus Dining  
Off-Campus Housing  
Off-Campus Dining

Office of Student Life  
Health & Safety  
Student Health Services  
Counseling and Psychological Services  
Public Safety  
Recreation & Fitness  
Gyms & Facilities  
Intramural Sports  
Transportation & Parking  
On & Around Campus  
Athletics  
NJIT Highlanders  
Apply now  
Undergraduate Students  
Transfer Students  
Graduate Students  
Continuing Education  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Menu  
Search  
Alumni  
Giving  
MyNJIT Login  
Tools  
Calendars  
Campus Directory  
A-Z Site Index  
Webmail  
Canvas  
WebEx  
Jobs @ NJIT  
Search  
Admissions  
Academics  
Research  
About  
Life at NJIT  
Athletics  
I am a...  
Apply now  
Home  
2024 Excellence in Research Prize and Medal Recipient - Bharat Biswal  
2024 Excellence in Research Prize and Medal Recipient - Bharat Biswal  
In This Section  
Home  
Board of Trustees  
Foundation Board of Directors  
Advisory Boards  
Bharat Biswal, distinguished professor of biomedical engineering, is a pioneer in the field of neural imaging credited with develop

In the early 1990s, as scientists began mapping the brain with functional MRI (fMRI), Biswal proposed a radical new approach to studying the brain. “At the time, it was perceived as a crazy idea in neuroscience, which was focused on task and response,” recalled Biswal, then an assistant professor at the University of Maryland. Biswal was particularly interested in what the scans would reveal about brain-related diseases, such as where and how those diseases affect the brain. Thirty years later, what is known as resting-state brain connectivity is the primary vehicle for examining brain connections in infants and children. His techniques are used to advance the knowledge, understanding, and treatment of many neurodegenerative diseases, brain injury, and mental health issues. Biswal, director of NJIT’s Center for Brain Imaging, is now using it to compare neural signaling in people with Alzheimer’s disease and healthy controls. “Alzheimer’s is particularly challenging because people can’t perform tasks and may forget right away what they have been asked to do,” he said. A primary goal of the research is to apply fMRI for a more reliable diagnosis, prognosis and treatment of Alzheimer’s. The study is ongoing. As part of his study, he’s collaborating with groups around the world to gather a vast and diverse data set of more than 100,000 subjects. “We don’t just want to be able to diagnose it, but to help in assessing treatments,” he said. “We can see what happens when we intervene.” Biswal joined NJIT in 2012 as a tenured full professor and was promoted to distinguished professor in 2016. That same year, he was named a Distinguished

---

Page: <https://www.njit.edu/finance/travel>

---

Page: <https://www.njit.edu/careerservices>

Career Development Services (CDS) | Career Development Services

[Skip to main content](#)

[Menu](#)

[Career Development Services](#)

[Search](#)

[In This Section](#)

[Home](#)

[About](#)

[CDS Advisory Board](#)

[Career Outcomes Dashboard](#)

[CDS Metrics](#)

[2024 Post-Graduation Outcomes Report](#)

[Top Employers and Graduate/Professional Schools](#)

[Starting Salary Data](#)

[Contact Us](#)

[Get Prepared](#)

[Resumes and Cover Letters](#)

[Find Your Career Advisor](#)

[Events and Workshops](#)

[Interview Prep](#)

[Career Planning](#)

[Alumni Career Spotlights](#)

[Career Assessments](#)

[Career Closet](#)

[Find Opportunities](#)

[Handshake](#)

[Co-op & Internship](#)

[Micro-Internships](#)

[Career Fairs](#)

[On-Campus Interviewing](#)

[Additional Job Search Resources](#)

[Graduate & Professional School](#)

[Report Employment](#)

[Community Service](#)

[NJIT Votes!](#)

[Volunteer Opportunities](#)

[Community Service Work-Study Programs](#)

Service Learning Program  
Alternative Spring Break  
First Year Service Day  
Garrison-Kirk Community Service Scholarship  
Non-Profit Agencies  
For Employers  
Career Fairs  
Agenda/Display Information  
Directions and Parking  
Co-ops/Internships  
On-Campus Interviewing (OCI)  
Branding Opportunities  
Sponsor Packages  
Become an ELEVATE Partner  
Hiring International Students  
Top NJIT Recruitment Partners  
NJIT Alumni Campus Champions  
Starting Salaries  
Report Hiring Outcomes  
CDS News  
Announcements  
Looking for a new  
professional headshot  
for LinkedIn? Schedule an  
appointment  
to use our newest offering for a free, quick headshot with  
popcam.  
Do you have a quick question?  
Complete the  
CDS Inquiry Form  
for a quick answer!  
CDS wants to collaborate with student clubs and organizations!  
Complete the  
CDS Event Request Form  
to partner with us.  
CDS Mentor Walk-In Hours  
- Stop by CDS to meet with a CDS Mentor for a resume review or general job search assistance.  
Monday - 10:00 am - 11:00 am  
Tuesday - 2:30 pm - 3:30 pm  
Wednesday - 11:30 am - 12:30 pm  
Thursday - 12:00 - 1:00 pm  
Friday - 11:30 am - 12:30 pm  
What Our Students Say  
Our students are among the best-prepared and most competitive graduates entering the workforce.  
Find Opportunities  
“After graduation, I am headed to Merck & Co. for a 2 ½ year rotational program in IT. ”  
Jake Ponulak  
Class of 2019  
“Within a week of attending the Career Fair, I secured a co-op with Johnson & Johnson’s supply chain department.”  
Jeremy Bedient  
Class of 2021  
“I established connections with working professionals who exposed me to invaluable opportunities.”  
Sharlene Mak  
Class of 2017  
2610  
Co-op and Internship Placements  
607  
Employer Recruiting Visits On Campus  
View Career Services' Outcomes For The 2023 Academic Year.



Learn More...

Our Sponsors

Gold Sponsor

Career Closet Sponsor

NCE Co-op ELEVATE Partner

NCE Co-op ELEVATE Partner

---

Page: <https://www.njit.edu/pre-award-services>