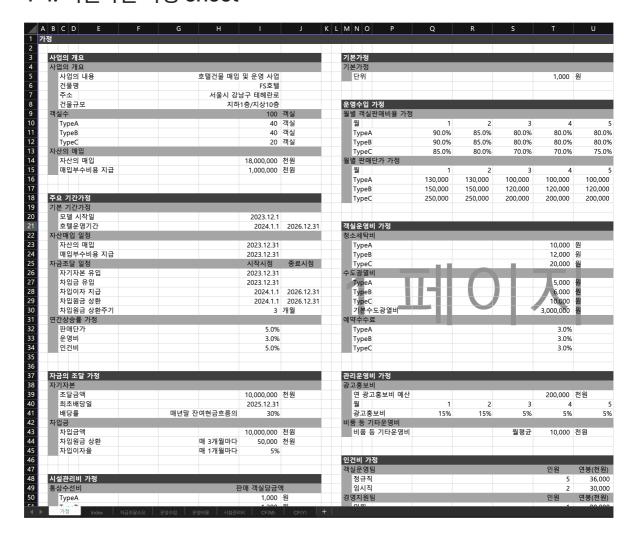
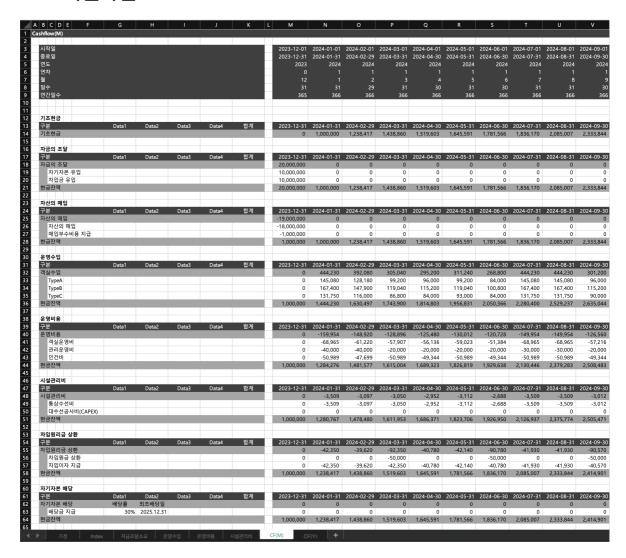
[1-1. 파이썬을 이용한 재무모델 작성 개요]

1. 엑셀로 작성한 재무모델 예시

1-1. 엑셀파일 가정 sheet



1-2. 엑셀파일 Cashflow sheet



2. 파이썬으로 재무모델 작성 개요

2-1. 가정 설정

- 주요 가정 내용을 엑셀파일에 작성하되, 파이썬을 통해서 데이터 로딩이 가능하도록 일정한 규칙 에 따라 가정 내용 작성
- openpyxl 라이브러리를 이용하여 가정 엑셀파일의 내용을 읽어들인 후 "assumption" dictionary에 저장

[재무모델 가정 엑셀파일]

	В С	D	E	F	G	Н	1
	siness_overview						
	사업개요						
	사업내용	호텔건물 매입 및 운영 사업					
	건물명	FS호텔					
	주소	서울시 강남구 테헤란로					
	건물규모	지하1층/지상10층					
	객실수	11.0, 10.00					
		40	객실				
	ТуреА						
	ТуреВ		객실				
	TypeC	20	객실				
	자산매입						
	자산매입금액	18,000,000,000					
	매입부수비용	1,000,000,000	원				
•	riod_assumptions						
100	기본기간가정						
	모델시작일	2023-12-01					
	모델종료일	2027-01-31					
	운영시작일	2024-01-01					
	운영종료일	2026-12-31					
	자산매입일정						
	자산매입일	2023-12-31					
	매입부수비용지급일	2023-12-31					
	자금조달일정						
	자기자본유입일	2023-12-31					
	차입금유입일	2023-12-31					
	이자지급시작일	2024-01-01					
	이자지급종료일	2026-12-31					
	원금상환시작일	2024-01-01					
	원금상환종료일	2026-12-31					
	연간인상률						
	판매단가	5.0%					
	운영비	3.0%					
	인건비	5.0%					
	nding_assumptions						
iui							
_	equity	10,000,000,000	OI				
	amount	10,000,000,000	권				
	최초배당일	2025-12-31					
	배당률	30.0%	매년말 잔여	현금흐름 기준			
	loan						
	amount	10,000,000,000	원				
	원금상환주기	3	개월				
	상환원금	50,000,000	원				
	이자지급주기		개월				
	이자율	5.0%					
	-111 E	5.0%					
	ility cost						
	cility_cost						
	통상수선비						
	TypeA	1,000					
	ТуреВ	1,200					
	ТуреС	2,000	원				
	대수선공사비						
	ТуреА	30,000,000	원				
	ТуреВ	35,000,000					
	ТуреС	50,000,000					
		50,000,000	년				
	수선시작일						
	ТуреА	2025-03-01					
	ТуреВ	2025-04-01					
	TypeC	2025-05-01					
	수선종료일						
	ТуреА	2025-03-31					
	ТуреВ	2025-04-30					
	ТуреС	2025-05-31					
	турес	2023-03-31					

[가정 데이터 로딩 코드 예시]

```
wb = load_workbook("FCHotel_FSmodeling_assumption.xlsx")
ws = wb['Sheet1']

assumption = {}
for row in ws.iter_rows(values_only=True):
    if row[0] is not None:
        assumption[row[0]] = {}
        astndct1 = assumption[row[0]]
    elif row[1] is not None:
        astndct1[row[1]] = {}
        astndct2 = astndct1[row[1]]
    elif row[2] is not None:
        astndct2[row[2]] = row[3]

monthly_occ_rate = pd.DataFrame(assumption['monthly_occ_rate'])
room_operating_cost = pd.DataFrame(assumption['room_operating_cost'])
salary_cost = pd.DataFrame(assumption['salary_cost'])
Python
```

2-2. 기간 Index 설정 코드 작성

• 전체 사업기간, 운영기간, 주요 이벤트에 대한 기간 등을 index 변수에 설정

[index 변수에 주요 기간 데이터 설정 예시]

```
index = {}
index["model"] = list_end_of_months(
    assumption['period_assumptions']['기본기간가정']['모델시작일'],
assumption['period_assumptions']['기본기간가정']['모델종료일']
index["operating"] = list_end_of_months(
    assumption['period_assumptions']['기본기간가정']['운영시작일'],
assumption['period_assumptions']['기본기간가정']['운영종료일']
index["이자지급"] = list_end_of_months(
    assumption['period_assumptions']['자금조달일정']['이자지급시작일'],
    assumption['period_assumptions']['자금조달일정']['이자지급종료일']
index["원금상환"] = list_end_of_months(
    assumption['period_assumptions']['자금조달일정']['원금상환시작일'],
assumption['period_assumptions']['자금조달일정']['원금상환종료일']
index["수선TypeA"] = list_end_of_months(
    assumption['facility_cost']['수선시작일']['TypeA'],
assumption['facility_cost']['수선종료일']['TypeA']
index["수선TypeB"] = list_end_of_months(
    assumption['facility_cost']['수선시작일']['TypeB'],
assumption['facility_cost']['수선종료일']['TypeB']
index["수선TypeC"] = list_end_of_months(
    assumption['facility_cost']['수선시작일']['TypeC'],
    assumption['facility_cost']['수선종료일']['TypeC']
                                                                                                                                Python
```

2-3. 자금의 조달 및 소요에 관한 사항 설정 코드 작성

- 자기자본, 차입금 등 자금의 조달에 대해 설정하는 코드 작성
- 조달된 자금의 사용에 대해 설정하는 코드 작성

[자금의 조달/소요 설정 코드 예시]

```
3-1. 자기자본
     data = []
     for dt in index['model']:
        dct = {}
        dct['자기자본유입'] = 0
        dct['배당금지급'] = 0
        data.append(dct)
     funding['자기자본'] = pd.DataFrame(data, index=index['model'])
                                                                                                              Python
3-2. 차입금
     차입금잔액 = 0
     for dt in index['model']:
        dct = {}
         if dt == assumption['period_assumptions']['자금조달일정']['차입금유입일']:
            차입금유입 = assumption['funding_assumptions']['loan']['amount']
             차입금유입 = 0
        if (dt in index['원금상환']) and (index['원금상환'].index(dt) % 3 == 2):
            차입금상환 = assumption['funding_assumptions']['loan']['상환원금']
            차입금상환 = 0
        if dt in index['이자지급']:
이자율 = assumption['funding_assumptions']['loan']['이자율']
월간일수 = index['days'].loc[dt, '월간일수']
연간일수 = index['days'].loc[dt, '연간일수']
            차입이자 = int(round(차입금잔액 * 이자율 * 월간일수 / 연간일수, <math>-1))
            차입이자 = 0
        차입금잔액 = 차입금잔액 + 차입금유입 - 차입금상환
        dct['차입금유입'] = 차입금유입

        dct['차입금상환'] = 차입금상환

        dct['차입이자'] = 차입이자

        dct['차입금잔액'] = 차입금잔액

        data.append(dct)
     funding['차입금'] = pd.DataFrame(data, index=index['model'])
                                                                                                              Python
```

2-4. 운영수입 및 운영비용에 관한 사항 코드 작성

- model index에 따라 해당 기간에 발생되는 운영수입과 운영비용에 대한 인식 방법을 코드로 작성
- 운영수입의 경우 총객실수, 판매가능객실수 등 운영수입 계산을 위한 기초 계산 완료 후 최종적으로 해당 기간에 인식되는 객실수입을 계산
- 운영비용의 경우 운영수입에 연동되어 발생되는 비용은 운영수입에 연동되도록 코드 작성하며, 고정비는 주어진 가정에 맞춰서 코드 작성함

[운영수입 계산 코드 예시]

```
room_type_list = list(assumption['business_overview']['객실수'].keys())
for room_type in room_type_list:
   data = []
    for dt in index['model']:
       dct = {}
        if dt in index['operating']:
           # 총객실수
            dct['총객실수'] = (
                assumption['business_overview']['객실수'][room_type] * index['days'].loc[dt, '월간일수']
            # 사용불가객실수(대수선 기간)
            if dt in index['수선' + room_type]:
dct['사용불가객실수'] = (
                    assumption['business_overview']['객실수'][room_type] *
                    index['days'].loc[dt, '월간일수']
               dct['사용불가객실수'] = 0
            # 판매가능객실수
            dct['판매가능객실수'] = dct['총객실수'] - dct['사용불가객실수']
            # 객실판매비율(OCC rate)
           dct['객실판매비율'] = assumption['monthly_occ_rate'][room_type][dt.month]
            dct['판매객실수'] = round(dct['판매가능객실수'] * dct['객실판매비율'])
           dct['판매단가'] = assumption['monthly_price'][room_type][dt.month]
            dct['객실수입'] = dct['판매객실수'] * dct['판매단가']
            dct['총객실수'] = 0
            dct['사용불가객실수'] = 0
           dct['판매가능객실수'] = 0
dct['객실판매비율'] = 0.0
dct['판매객실수'] = 0
           dct['판매단가'] = 0
dct['객실수입'] = 0
        data.append(dct)
    operating_income[room_type] = pd.DataFrame(data, index=index['model'])
                                                                                                         Python
```

[운영비용 계산 코드 예시]

```
5-1-1. 청소세탁비
     data = []
     for dt in index['model']:
         dct = {}
         if dt in index['operating']:
              dct['TypeA'] = int(
                  operating_income['TypeA'].loc[dt, '판매객실수'] *
                  assumption['room_operating_cost']['청소세탁비']['TypeA'] * index['연간인상률'].loc[dt, '운영비']
              dct['TypeB'] = int(
                  operating_income['TypeB'].loc[dt, '판매객실수'] *
                  assumption['room_operating_cost']['청소세탁비']['TypeB'] * index['연간인상률'].loc[dt, '운영비']
              dct['TypeC'] = int(
                  operating_income['TypeC'].loc[dt, '판매객실수'] *
                  assumption['room_operating_cost']['청소세탁비']['TypeC'] * index['연간인상률'].loc[dt, '운영비']
              dct['TypeA'] = 0
              dct['TypeB'] = 0
dct['TypeC'] = 0
         dct['Total'] = dct['TypeA'] + dct['TypeB'] + dct['TypeC']
         data.append(dct)
     operating_cost['객실운영비']['청소세탁비'] = pd.DataFrame(data, index=index['model'])
                                                                                                                       Python
5-1-2. 수도광열비
     data = []
     for dt in index['model']:
         dct = {}
         if dt in index['operating']:
              dct['TypeA'] = int(
                  operating_income['TypeA'].loc[dt, '판매객실수'] *
assumption['room_operating_cost']['수도광열비']['TypeA'] *
                  index['연간인상률'].loc[dt, '운영비']
              dct['TypeB'] = int(
                  operating_income['TypeB'].loc[dt, '판매객실수'] *
assumption['room_operating_cost']['수도광열비']['TypeB'] *
                  index['연간인상률'].loc[dt, '운영비']
              dct['TypeC'] = int(
                  operating_income['TypeC'].loc[dt, '판매객실수'] *
                  assumption['room_operating_cost']['수도광열비']['TypeC'] *
```

2-5. 현금흐름 계산

- model index에 따라 현금의 유입과 유출을 기록
- 유입과 유출의 history는 "cashflow" 변수에 저장
- 기초/기말현금, 입금금액, 출금금액은 "balance" 변수에 저장

[현금흐름 기록 코드 예시]

```
idx = 0
cash_balance = 0
for dt in index['model']:
  #### 0. 기초현금 계산
   balance.loc[dt, '기초현금'] = cash_balance
   #### 1. 자금조달소요
   ## 1-1. 자기자본 유입
   amount = funding['자기자본'].loc[dt, '자기자본유입']
   if amount > 0:
       cashflow.loc[idx] = [dt, '자금조달', '자기자본', '자기자본유입', amount, 0]
       balance.loc[dt, '입금금액'] += amount
      idx += 1
   ## 1-2. 차입금 유입
   amount = funding['차입금'].loc[dt, '차입금유입']
   if amount > 0:
       cashflow.loc[idx] = [dt, '자금조달', '차입금', '차입금유입', amount, 0]
       balance.loc[dt, '입금금액'] += amount
      idx += 1
   ## 1-3. 자산매입
   amount = funding['자산매입'].loc[dt, '자산매입']
   if amount > 0:
       cashflow.loc[idx] = [dt, '자산매입', '자산매입', '매입대금지출', 0, amount]
balance.loc[dt, '출금금액'] += amount
       idx += 1
   amount = funding['자산매입'].loc[dt, '매입부수비용']
   if amount > 0:
       cashflow.loc[idx] = [dt, '자산매입', '매입부수비용', '부수비용지출', 0, amount]
       balance.loc[dt, '출금금액'] += amount
      idx += 1
   #### 2. 운영수입
   for room_type in room_type_list:
       amount = operating_income[room_type].loc[dt, '객실수입']
          cashflow.loc[idx] = [dt, '운영수입', '객실수입', room_type, amount, 0]
           balance.loc[dt, '입금금액'] += amount
          idx += 1
   #### 3. 운영비용 — 객실운영비
   ## 3-1. 청소세탁비
   for room_type in room_type_list:
       amount = operating_cost['객실운영비']['청소세탁비'].loc[dt, room_type]
       if amount > 0:
           cashflow.loc[idx] = [dt, '객실운영비', '청소세탁비', room_type, 0, amount]
           balance.loc[dt, '출금금액'] += amount
          idx += 1
   ## 3-2. 수도광열비
    for room_type in room_type_list:
       amount = operating_cost['객실운영비']['수도광열비'].loc[dt, room_type]
           cashflow.loc[idx] = [dt, '객실운영비', '수도광열비', room_type, 0, amount]
           balance.loc[dt, '출금금액'] += amount
           idx += 1
```

CH01-01. 파이썬을 이용한 재무모델 작성 개요 2024. 6. 12. 오후 4:28

[현금흐름 최종 결과물 예시]

categoryA	기초현금	자금조달		자산매입		운영수입			
categoryB		자기자본	차입금	자산매입	매입부수비용	객실수입			소계
categoryC		자기자본유입	차입금유입	매입대금지출	부수비용지출	ТуреА	ТуреВ	ТуреС	
date									
2023-12- 31	0	10000000000	10000000000	-18000000000	-1000000000	0	0	0	0
2024-01- 31	1000000000	0	0	0	0	145080000	167400000	131750000	444230000
2024-02- 29	1238417103	0	0	0	0	128180000	147900000	116000000	392080000
2024-03- 31	1438862561	0	0	0	0	99200000	119040000	86800000	305040000
2024-04- 30	1519606164	0	0	0	0	96000000	115200000	84000000	295200000
2024-05- 31	1645595214	0	0	0	0	99200000	119040000	93000000	311240000
2024-06- 30	1781572567	0	0	0	0	84000000	100800000	84000000	268800000
2024-07- 31	1836177617	0	0	0	0	145080000	167400000	131750000	444230000
2024-08- 31	2085018220	0	0	0	0	145080000	167400000	131750000	444230000
2024-09- 30	2333858823	0	0	0	0	96000000	115200000	90000000	301200000
2024-10- 31	2414912793	0	0	0	0	99200000	119040000	93000000	311240000
2024-11- 30	2551313646	0	0	0	0	84000000	100800000	84000000	268800000
2024-12- 31	2656328536	0	0	0	0	145080000	167400000	139500000	451980000
2025-01- 31	2851906389	0	0	0	0	145080000	167400000	131750000	444230000
2025-02- 28	3085386233	0	0	0	0	123760000	142800000	112000000	378560000
2025-03- 31	3272938740	0	0	0	0	0	119040000	86800000	205840000
2025-04- 30	2069689468	0	0	0	0	96000000	0	84000000	180000000

[엑셀파일 출력 결과물 예시]

categoryC 자기 date		D	E	F	G	н		
categoryC X-71: date 023-12-31 0 10,00 2024-01-31 905,871,236 0224-03-31 1,344,733,797 2024-03-31 1,344,733,797 2024-04-30 1,425,477,400 2024-05-31 1,551,466,450 0 2024-06-30 1,687,443,803 0 2024-08-31 1,990,889,456 0 2024-09-30 2,239,730,059 0 2024-10-31 2,320,784,029 0 2024-10-31 2,757,777,625 0 2025-01-31 2,757,777,625 0 2025-02-31 3,178,809,976 0 2025-03-31 3,178,809,976 0 2025-04-30 1,975,560,704 0 2025-05-31 604,784,793 0 2025-06-30 338,267,669 0 2025-07-31 -275,751,80 0 2025-08-31 -3,337,316 0 2025-09-30 200,867,188 0 2025-10-31 277,86,997 0 2025-10-31 71,892,178	자금조달		자산매입		운영수입			
date 0 10,00 2023-12-31 0 10,00 2024-01-31 905,871,236 2024-02-29 2024-02-331 1,344,733,797 2024-04-30 1,425,477,400 2024-06-30 1,687,443,803 2024-06-30 1,687,443,803 2024-08-31 1,790,889,456 2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-10-31 2,757,718,4882 2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-03-31 3604,784,793 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-11-31 511,279,604 2025-01-31 701,892,178 2026-01-31 701,892,178 2026-03-31 1,118,6134,228	다기자본	차입금	자산매입	매입부수비용		객실수입		소계
2023-12-31	기자본유입	차입금유입	매입대금지출	부수비용지출	TypeA	TypeB	TypeC	
2024-01-31 905,871,236 2024-02-29 1,144,288,339 2024-03-31 1,344,733,797 2024-04-30 1,425,477,400 2024-05-31 1,551,466,450 2024-06-30 1,687,443,803 2024-07-31 1,742,048,853 2024-08-31 1,742,048,853 2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-06-30 1,975,560,704 2025-08-31 -287,541,820 2025-08-31 -287,541,820 2025-08-31 -287,541,820 2025-08-31 1,178,69,97 2025-10-31 277,866,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,33 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-08-31 1,778,845,994 2026-08-31 1,778,845,994 2026-08-31 1,778,845,994 2026-08-31 1,778,845,994 2026-08-31 1,778,845,994 2026-08-31 1,778,845,994 2026-08-31 1,778,845,994 2026-08-31 1,778,845,994 2026-08-31 1,778,845,994 2026-08-31 1,778,845,994 2026-08-30 1,958,058,404								
2024-02-29 1,144,288,339 2024-03-31 1,344,733,797 2024-04-30 1,425,477,400 2024-05-31 1,551,466,450 2024-06-30 1,687,443,803 2024-07-31 1,742,048,853 2024-08-31 1,990,889,456 2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,866,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-06-30 1,431,918,154 2026-07-31 1,778,843,499 2026-09-30 1,958,058,404	000,000,000	10,000,000,000	-18,000,000,000	-1,000,000,000	0	0	0	
2024-03-31 1,344,733,797 2024-04-30 1,425,477,400 2024-05-31 1,551,466,450 2024-06-30 1,687,443,803 2024-07-31 1,742,048,853 2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-03-31 3,178,809,976 2025-03-31 604,784,793 2025-06-30 1,975,560,704 2025-08-31 -287,541,820 2025-08-31 -287,541,820 2025-08-31 1,975,560,704 2025-08-31 3,178,809,976 2025-08-31 1,975,560,704 2025-08-31 1,975,560,704 2025-08-31 1,975,560,704 2025-08-31 1,975,560,704 2025-08-31 1,975,560,704 2025-08-31 1,975,560,704 2025-08-31 1,975,560,704 2025-08-31 1,975,560,704 2025-08-31 1,975,560,704 2026-08-31 1,13,561,418 2026-03-31 1,13,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,778,843,499 2026-08-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	131,750,000	444,230,00
2024-04-30 1,425,477,400 2024-05-31 1,551,466,450 2024-06-30 1,687,443,803 2024-07-31 1,742,048,853 2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,660,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 2,778,86,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,1113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,478,828,594 2026-08-31 1,778,843,499 2026-09-30 1,958,058,404	0	0	0	0	128,180,000	147,900,000	116,000,000	392,080,00
2024-05-31 1,551,466,450 2024-06-30 1,687,443,803 2024-07-31 1,742,048,853 2024-08-31 1,990,889,456 2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,562,199,772 2025-01 31 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-03-31 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,191,154 2026-07-31	0	0	0	0	99,200,000	119,040,000	86,800,000	305,040,00
2024-06-30 1,687,443,803 2024-07-31 1,742,048,853 2024-07-31 1,790,889,456 2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-33 3,178,809,976 2025-04-30 1,975,560,704 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 4,337,316 2025-09-30 200,867,188 2025-10-31 277,866,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-06-31 1,778,843,499 2026-09-30 1,958,058,404	0	0	0	0	96,000,000	115,200,000	84,000,000	295,200,00
2024-07-31 1,742,048,853 2024-08-31 1,990,889,456 2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-03-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 43,337,316 2025-08-31 277,886,997 2025-10-31 277,886,997 2025-10-31 277,886,997 2025-10-31 1,175,9604 2026-01-31 701,892,178 2026-01-31 701,892,178 2026-01-31 1,13,641,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,778,84,549 2026-08-31 1,778,443,499 2026-08-30 1,958,058,404	0	0	0	0	99,200,000	119,040,000	93,000,000	311,240,00
2024-08-31 1,990,889,456 2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,552,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-06-31 1,778,828,594 2026-08-31 1,778,843,499 2026-09-30 1,958,058,404	0	0	0	0	84,000,000	100,800,000	84,000,000	268,800,00
2024-09-30 2,239,730,059 2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-08-31 -287,541,820 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-09-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	131,750,000	444,230,00
2024-10-31 2,320,784,029 2024-11-30 2,457,184,882 2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-06-31 1,778,843,499 2026-09-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	131,750,000	444,230,00
2024-11-30 2,457,184,882 2024-11-30 2,552,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,13,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	96,000,000	115,200,000	90,000,000	301,200,00
2024-12-31 2,562,199,772 2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-03-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,13,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,778,443,499 2026-09-30 1,958,058,404	0	0	0	0	99,200,000	119,040,000	93,000,000	311,240,00
2025-01-31 2,757,777,625 2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-06-31 1,778,828,594 2026-08-31 1,778,843,499 2026-09-30 1,958,058,404	0	0	0	0	84,000,000	100,800,000	84,000,000	268,800,00
2025-02-28 2,991,257,469 2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,778,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	139,500,000	451,980,00
2025-03-31 3,178,809,976 2025-04-30 1,975,560,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-06-31 1,778,423,594 2026-08-31 1,778,443,499 2026-08-31 1,958,058,404	0	0	0	0	145,080,000	167,400,000	131,750,000	444,230,00
2025-04-30 1,975,560,704 2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	123,760,000	142,800,000	112,000,000	378,560,0
2025-05-31 604,784,793 2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	0	119,040,000	86,800,000	205,840,0
2025-06-30 -338,267,669 2025-07-31 -287,541,820 2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	96,000,000	0	84,000,000	180,000,0
2025-07-31	0	0	0	0	99,200,000	119,040,000	0	218,240,00
2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-30 1,958,058,404	0	0	0	0	84,000,000	100,800,000	84,000,000	268,800,00
2025-08-31 -43,337,316 2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-03-31 1,86,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	131,750,000	444,230,00
2025-09-30 200,867,188 2025-10-31 277,886,997 2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	131,750,000	444,230,00
2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	96,000,000	115,200,000	90,000,000	301,200,00
2025-11-30 410,142,795 2025-12-31 511,279,604 2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	99,200,000	119,040,000	93,000,000	311,240,00
2026-01-31 701,892,178 2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	84,000,000	100,800,000	84,000,000	268,800,00
2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	139,500,000	451,980.00
2026-02-28 930,473,433 2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	131,750,000	444,230,00
2026-03-31 1,113,561,418 2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	123,760,000	142,800,000	112,000,000	378,560,00
2026-04-30 1,186,134,228 2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	99,200,000	119,040,000	86,800,000	305,040,00
2026-05-31 1,304,171,427 2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	96,000,000	115,200,000	84,000,000	295,200,00
2026-06-30 1,431,918,154 2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	99,200,000	119,040,000	93,000,000	311,240,00
2026-07-31 1,478,828,594 2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	84,000,000	100,800,000	84,000,000	268,800,0
2026-08-31 1,718,443,499 2026-09-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	131,750,000	444,230,0
2026-09-30 1,958,058,404	0	0	0	0	145,080,000	167,400,000	131,750,000	444,230,0
	0	0	0	0	96,000,000	115,200,000	90,000,000	301,200,0
	0	0	0	0	99,200,000	119,040,000	93,000,000	311,240,0
2026-11-30 2,159,273,996	0	0	0	0	84,000,000	100,800,000	84,000,000	268,800,00
2026-11-30 2,159,273,996 2026-12-31 2,256,595,396	0	0	0	0	145,080,000	167,400,000	139,500,000	451,980,0
2027-01-31 2,442,278,718	0	0	0	0	143,080,000	0	0	451,500,0
2,442,270,710	U	U	U	0	0	0	0	