**MIPS Verilog 설계 분석**

2019-2 컴퓨터구조 Term Project

2016104147 이우진

1. 주어진 설계 분석

1. Instruction fetch

Figure 1 MIPS.v Instruction fetch stage code

…

// IM

wire [31:0] Next\_PC, Instr, Branch\_addr;

reg [31:0] PC;

…

assign Next\_PC = PC + 32'd4;

assign Branch\_addr = {Branch\_or\_offset[29:0], 2'b00};

assign PCSrc = (Branch && zero);

…

Instruction\_Mem Instr\_mem(PC[8:2], Instr); // Asynchronous module.

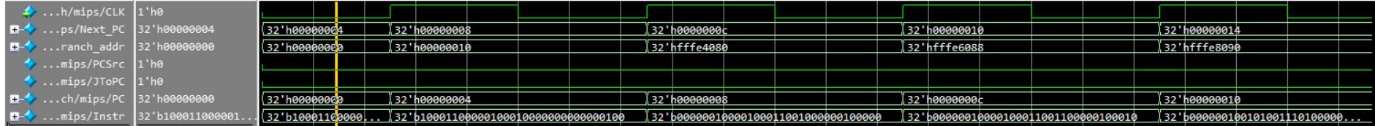
…

always @(posedge CLK)

begin

    PC <= (JToPC) ? Jump\_addr : ((PCSrc) ? (Branch\_addr + Next\_PC) : Next\_PC);

end



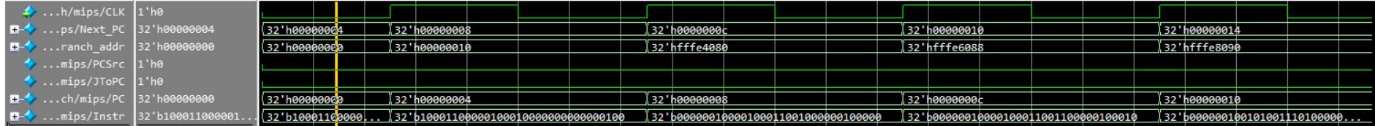


Figure 2 MIPS.v Instruction fetch stage simulation

Instruction fetch stage는 pc값을 Instruction register에 입력하여 저장된 명령을 뽑고, PC값이 다음 명령을 가리키도록 변경하는 과정이다. Next PC는 다음에 실행할 명령의 PC값을 나타낸다. JtoPC는 jump address를 선택하는 값이고, PCSrc는 branch 명령에서 branch할 주소를 선택하는 값이다.

시뮬레이션 결과를 확인해 보면 Clock pulse가 상승할 때 레지스터의 값이 변한다. Next\_PC는 값이 클럭당 4씩 증가하고, PC값은 JtoPC와 PCSrc 값에 따라 Jum\_addr, Branch\_addr + Next\_Pc, Next\_PC값이 된다. Instr wire는 PC값을 입력하여 Instruction Memory에서 fetch한 명령을 의미한다. 매 클럭마다 Instr wire값이 PC값에 따라 Instruction memory에 저장된 명령으로 바뀌는 것을 확인할 수 있다.

예를 들면, Instructiom memory(Instruction\_Mem.v 파일)에 저장된 0번째 명령은 ‘lw s0 0($zero)’이다. 따라서 첫 클럭에서 PC값은 0이고, Instr 값이 ‘lw s0 0($zero)’ 에 해당하는 이진 코드로 바뀌는 것을 확인할 수 있다.

2. Instruction decode / Register fetch

…

// Register

wire [31:0] Jump\_addr;

wire [4:0] Read1, Read2, Reg\_Write\_addr;

wire [31:0] Branch\_or\_offset;

wire [31:0] Reg\_Write\_data, Read\_data1, Read\_data2;

…

wire RegDst, RegWrite; // control signal

assign Read1 = Instr[25:21];

assign Read2 = Instr[20:16];

assign Reg\_Write\_addr = (RegDst) ? Instr[15:11] : Instr[20:16];

assign Branch\_or\_offset = (Instr[15] == 1) ? {16'hFFFF, Instr[15:0]} : {16'h0000, Instr[15:0]}; // sign extend.

Register Reg(CLK, RegWrite, Read1, Read2, Reg\_Write\_addr, Reg\_Write\_data, Read\_data1, Read\_data2); // Synchronous module.

Figure 3 MIPS.v Instruction decode stage code

건물, 블라인드이(가) 표시된 사진

자동 생성된 설명

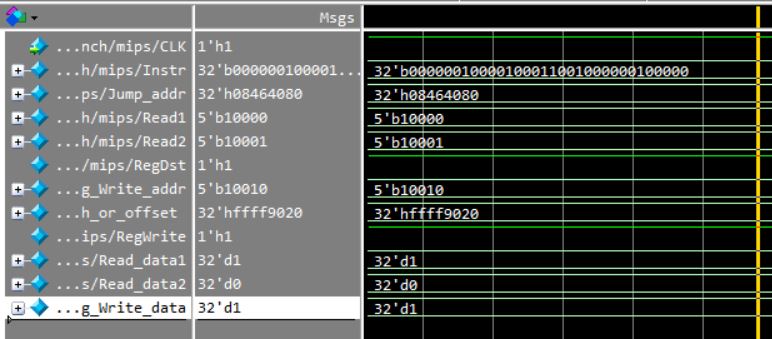
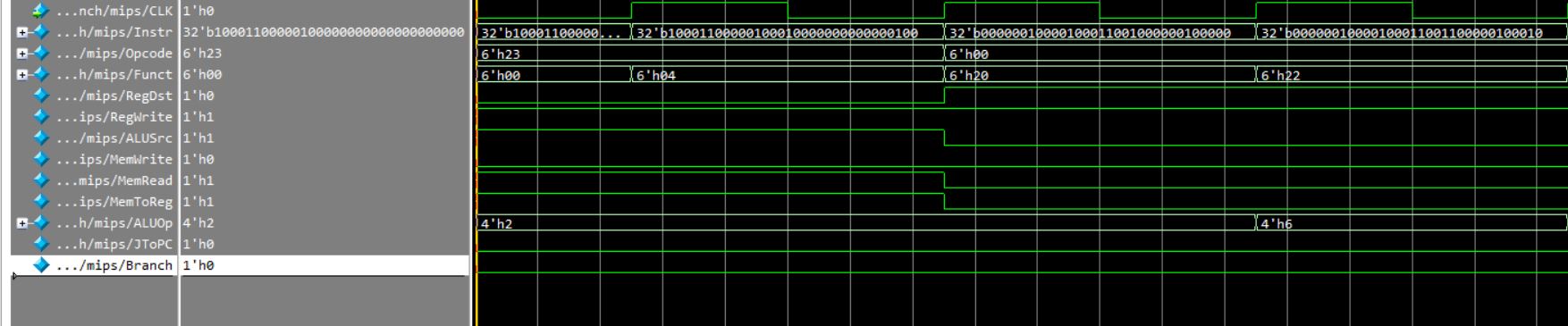


Figure 4 MIPS.v Instruction decode stage simulation

Instruction decode stage는 이전 스테이지에서 fetch한 명령어를 해석하고 레지스터에서 값을 읽는 단계이다. 명령어를 나누어 레지스터에서 값을 읽을 주소를 Read1, Read2에 설정한다. Reg\_write\_addr은 값을 쓸 레지스터의 주소를 의미한다. 이는 RegDst값에 따라 명령어의 rd, rt 값으로 설정한다. RegDst는 명령어가 R-type인지, I-type인지에 따라 결정된다.

레지스터에서 읽은 값은 Read\_data1과 Read\_data2에 저장된다. Reg\_write\_data는 주소가 Reg\_write\_addr인 레지스터에 쓸 값이며, ALU 연산과 Memory Access 이후의 Write Back stage에서 결정된다. 명령어의 Immediate 부분은 주소로 쓰일 상황을 대비하여 16bit 길이의 값을 32bit로 sign extend를 한다.

예를 들면, 예시의 2번 명령인 ‘add s2 s0 s1’을 실행했을 때, Read1은 s0의 레지스터 주소로, Read2는 s1의 레지스터 주소로 설정된다. Add는 R-Type이므로 RegDst control signal은 1로 설정이 되고, Reg\_write\_addr은 rd값인 s2의 주소로 설정된다. Read\_data1과 2는 각각의 레지스터에 저장된 값인 1과 0이 되고, write\_data는 이후의 ALU 연산으로 1이 된다.



// Control

wire RegDst, RegWrite; // control signal

wire ALUSrc, MemWrite, MemRead, MemToReg; // control signal

wire [3:0] ALUOp;

wire PCSrc, JToPC, Branch; // mux control signal

wire [5:0] Opcode, Funct;

assign Opcode = Instr[31:26];

assign Funct = Instr[5:0];

Control control(Opcode, Funct, RegDst, RegWrite, ALUSrc, MemWrite, MemRead, MemToReg, JToPC, Branch, ALUOp); // Asynchronous module.

Figure 5 MIPS.v Control signal code

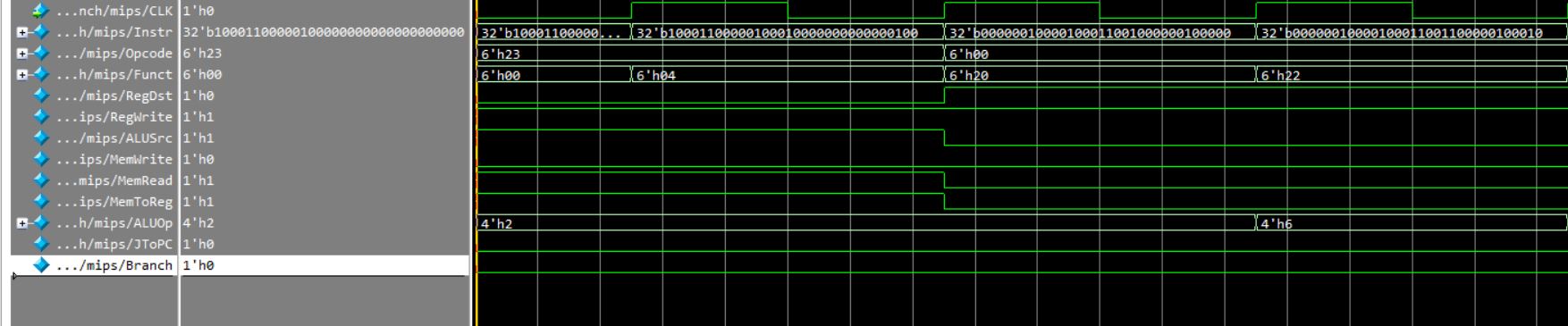


Figure 6 MIPS.v Control signal simulation

또한, Instruction Decode stage에서는 명령어의 Opcode와 Funct 부분을 이용해 Control signal을 생성한다. 이 동작은 Control 모듈에서 수행되며, Opcode와 Funct 값을 입력받아 조건문으로 처리하여 명령에 맞는 control signal을 반환한다.

예를 들면, 0번째 명령인 ‘lw s0 0($zero)’를 수행할 때는 opcode=100011, Funct=000000이므로 이조건을 이용하여 lw 명령인 case로 분기한다. lw 명령이므로 RegDst = 0, RegWrite = 1, ALUSrc = 1, MemWrite = 0, MemRead = 1, MemToReg = 1, JToPC = 0, Branch = 0, ALUOp = 0010인 Control signal이 생성된다.

3. ALU Execution

Figure 7 MIPS.v ALU execution code

// ALU

wire [31:0] ALU\_B, ALU\_result, Lw\_Sw\_offset;

wire zero;

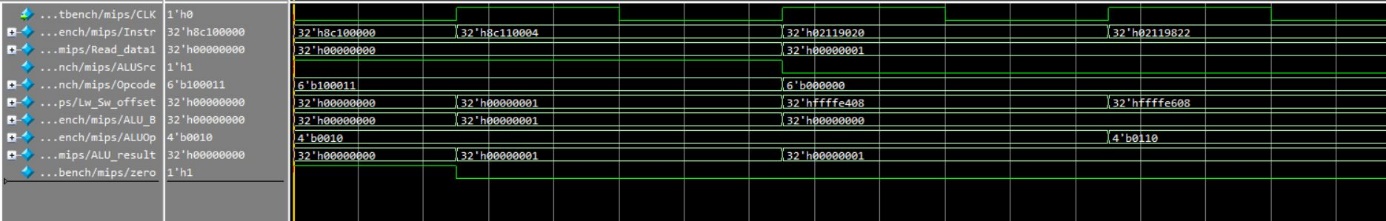
assign Lw\_Sw\_offset = (Branch\_or\_offset[31] == 1) ? {2'b11, Branch\_or\_offset[31:2]} : {2'b00, Branch\_or\_offset[31:2]};

// if instruction is lw or sw, divide the offset by 4.

assign ALU\_B = (Opcode == 6'b100011 || Opcode == 6'b101011) ? Lw\_Sw\_offset : ((ALUSrc) ? Branch\_or\_offset : Read\_data2);

// if instruction is lw or sw, ALU\_B is Lw\_Sw\_offset.

ALU alu(ALUOp, Read\_data1, ALU\_B, ALU\_result, zero); // Asynchronous module.



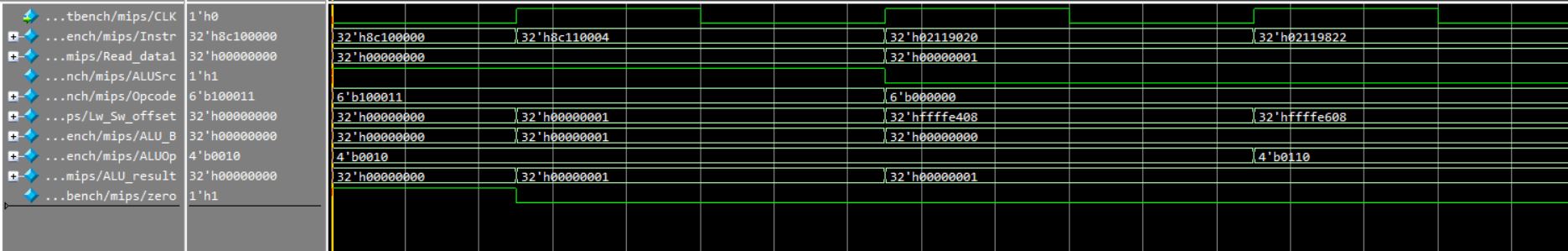


Figure 8 MIPS.v ALU execution simulation

ALU Execution stage에서는 ALU 모듈이 Opcode에 따라 데이터 연산을 수행하거나 load나 branch 명령일 때 주소 연산을 수행한다. ALU 모듈은 Read\_data1과 ALU\_B를 입력으로 받는다. ALU\_B는 ALUSrc가 1이면 명령어의 Immediate 값인 Branch\_or\_offset이 선택되고 Opcode가 lw 또는 sw에 해당하는 코드이면 Lw\_Sw\_offset이 선택되며, 그 외에는 Read\_data2를 선택한다. ALU 모듈은 Read\_data1과 ALU\_B를 Opcode에 따라 연산하여 그 결과를 ALU\_result로 반환한다. Zero wire는 ALU의 flag로, 결과가 0이면 1이 된다. Branch 명령에서 branch 조건을 판단할 때 쓰인다.

0번째 명령인 ‘lw s0 0($zero)’는 ALU execution stage에서 $zero의 register 주소인 0이 Read\_data1이 된다. Opcode가 lw에 해당하는 100011이므로 ALU\_B의 값은 Lw\_Sw\_offset이 선택된다. ALU는 ALUOp가 0010이므로 입력받은 Read\_data1과 ALU\_B(lw offset)를 덧셈 연산하여 그 결과를 out으로 출력한다.

4. Memory Access

Figure 9 MIPS.v Memory access code

// DM

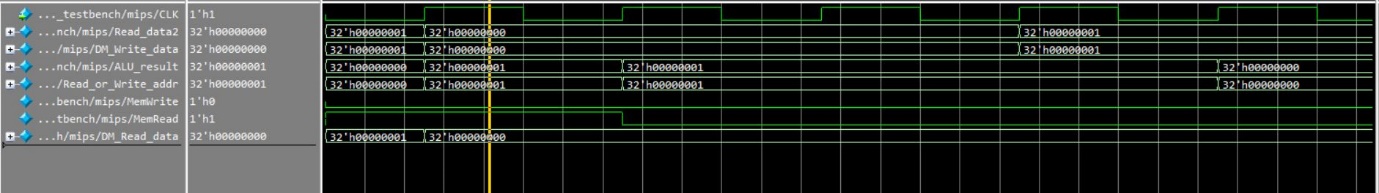
wire [31:0] Read\_or\_Write\_addr;

wire [31:0] DM\_Write\_data, DM\_Read\_data;

assign DM\_Write\_data = Read\_data2;

assign Read\_or\_Write\_addr = ALU\_result;

Data\_Mem DM(CLK, MemWrite, MemRead, Read\_or\_Write\_addr[6:0], DM\_Write\_data, DM\_Read\_data); // Synchronous module.



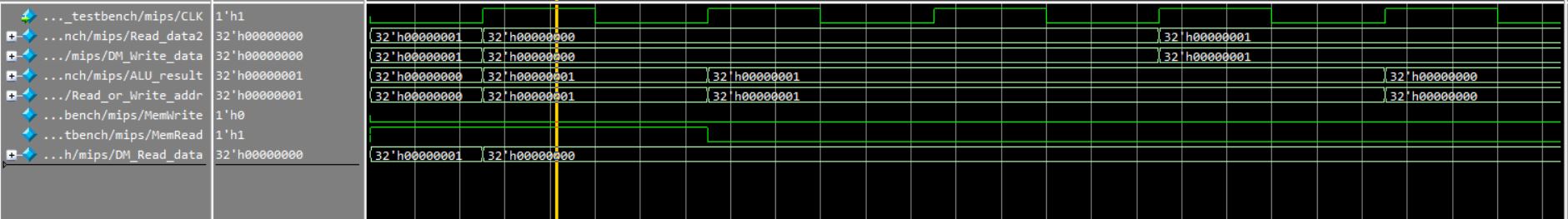


Figure 10 MIPS.v Memory access simulation

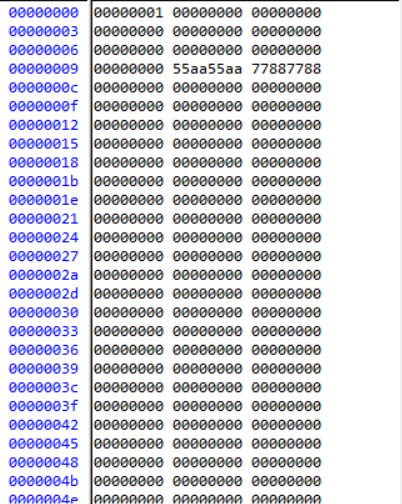


Figure 11 Data memory

Memory Access stage에서는 명령이 load 또는 store일 때 data memory에 접근하여 동작을 수행한다. Data Memory는 Read\_or\_write\_addr과 DM\_write\_data 2개의 입력값을 받는다. Read\_or\_write\_ addr은 ALU Execution 단계에서 계산된 주소값 ALU\_Result 값이다. DM\_write\_data는 rt 값인 Read\_data2이다. DM 모듈은 MemWrite control signal이 1이면 DM\_write\_data를 메모리의 Read\_or\_write\_addr 주소에 쓰고, MemRead control signal이 1이면 메모리의 Read\_or\_write\_addr 주소에서 값을 읽어 DM\_Read\_data로 출력한다.

0번째 명령인 ‘lw s0 0($zero)’는 lw 명령이므로 MemRead control signal이 1이다. Read\_or\_write\_ addr은 $zero의 주소에 offset 0을 더한 0이다. DM\_write\_data는 rt값인 0이나 MemWrite가 0이므로 Data\_Mem 모듈에서 사용되지는 않는다. 이후 Data Memory에서 0번 주소를 읽어 DM\_Read\_data는 1이 된다.

5. Write Back

Figure 12 MIPS.v Write back stage code

assign Reg\_Write\_data = (MemToReg) ? DM\_Read\_data : ALU\_result;

Register Reg(CLK, RegWrite, Read1, Read2, Reg\_Write\_addr, Reg\_Write\_data, Read\_data1, Read\_data2); // Synchronous module.

텍스트이(가) 표시된 사진

자동 생성된 설명

![텍스트이(가) 표시된 사진

자동 생성된 설명](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4RDsRXhpZgAATU0AKgAAAAgABAE7AAIAAAALAAAISodpAAQAAAABAAAIVpydAAEAAAAWAAAQzuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdvb2ppbiBMZWUAAAAFkAMAAgAAABQAABCkkAQAAgAAABQAABC4kpEAAgAAAAMxNAAAkpIAAgAAAAMxNAAA6hwABwAACAwAAAiYAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAxOToxMToxNyAyMjoyNDoxOQAyMDE5OjExOjE3IDIyOjI0OjE5AAAAVwBvAG8AagBpAG4AIABMAGUAZQAAAP/hCx1odHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDE5LTExLTE3VDIyOjI0OjE5LjEzNzwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Xb29qaW4gTGVlPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMABwUFBgUEBwYFBggHBwgKEQsKCQkKFQ8QDBEYFRoZGBUYFxseJyEbHSUdFxgiLiIlKCkrLCsaIC8zLyoyJyorKv/bAEMBBwgICgkKFAsLFCocGBwqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKv/AABEIAPgHYQMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/AOwk8eTRysn9l2B2kjPkim/8J/L/ANAqw/78iuVuf+PqX/fP86y9VluEiRbeJ2RifMaMgFR+JH51pTg6k1C9rl0488lG9vU7QfE9TdeR/ZljnO0N5A2k+mfWrX/Cfy/9Aqw/78iuH8Px6XqcklrKQNgGyI8BvcfSruu7dOY/Z1VsJuwT0r08dlzwseZbLe/5nkVs6y9Y14Om22uttH6eR1f/AAn8v/QKsP8AvyKP+E/l/wCgVYf9+RXFvcRQwiSeRIlOOXYAZ/GlhuIbhSbeaOUDglGDY/KvIPUOz/4T+X/oFWH/AH5FH/Cfy/8AQKsP+/IrkKKAOv8A+E/l/wCgVYf9+RR/wn8v/QKsP+/IrkKKAOv/AOE/l/6BVh/35FH/AAn8v/QKsP8AvyK5CigDr/8AhP5f+gVYf9+RR/wn8v8A0CrD/vyK5CigDr/+E/l/6BVh/wB+RR/wn8v/AECrD/vyK5CigDr/APhP5f8AoFWH/fkUf8J/L/0CrD/vyK5CigDr/wDhP5f+gVYf9+RR/wAJ/L/0CrD/AL8iuQooA6//AIT+X/oFWH/fkUf8J/L/ANAqw/78iuQooA6//hP5f+gVYf8AfkUf8J/L/wBAqw/78iuQooA6/wD4T+X/AKBVh/35FH/Cfy/9Aqw/78iuQooA6/8A4T+X/oFWH/fkUf8ACfy/9Aqw/wC/IrkKKAOv/wCE/l/6BVh/35FH/Cfy/wDQKsP+/IrkKKAOv/4T+X/oFWH/AH5FH/Cfy/8AQKsP+/IrkKKAO1tfG893dxwJpdgGkbaCYRVnW/FVzourS2EunafI8YUlhAAOVB/rXH6L/wAhu0/66itXx9/yOl79I/8A0BaALn/Cfy/9Aqw/78ij/hP5f+gVYf8AfkVyFFAHX/8ACfy/9Aqw/wC/Io/4T+X/AKBVh/35FchRQB1//Cfy/wDQKsP+/Io/4T+X/oFWH/fkVyFFAHX/APCfy/8AQKsP+/Io/wCE/l/6BVh/35FchRQB1/8Awn8v/QKsP+/Io/4T+X/oFWH/AH5FchRQB1//AAn8v/QKsP8AvyKP+E/l/wCgVYf9+RXIUUAdf/wn8v8A0CrD/vyKP+E/l/6BVh/35FchRQB1/wDwn8v/AECrD/vyKP8AhP5f+gVYf9+RXIUUAdf/AMJ/L/0CrD/vyKP+E/l/6BVh/wB+RXNaZZrf6lDbPJ5ayNhnxnArUl8OLDDqDtcH/Rj+6+X/AFgxnNHS4eRo/wDCfy/9Aqw/78ij/hP5f+gVYf8AfkVz0+jX1taC5nhCREAgmRc8/wCznP6VNF4b1We38+O1ymzfzIgO31wTmgDb/wCE/l/6BVh/35FT2XjW4vbyK2j0zTw0jbQTCOtcxFot/NZm6SEeSM/M0irnHoCcmneH/wDkYbL/AK7L/OgC5ffFDUofiNfeDtP8N6dd3lmNxlYrGrAIGPY/3q45v2mArFT4TtMg4PK//E1Kn/J2XiD/AK5P/wCiUrwCb/Xyf7x/nXFTrzli6lF7RUWvnzX/ACNHFKmpd7/oe9N+04XbL+FbVjjGSyn/ANlpP+Gmh/0Klp+a/wDxNeB0V2mZ75/w00P+hUtPzX/4mj/hpof9Cpafmv8A8TXgdFAHvn/DTQ/6FS0/Nf8A4mj/AIaaH/QqWn5r/wDE14HRQB75/wANND/oVLT81/8AiaP+Gmh/0Klp+a//ABNeB0UAe+f8NND/AKFS0/Nf/iaP+Gmh/wBCpafmv/xNeB0UAe+f8NND/oVLT81/+Jo/4aaH/QqWn5r/APE14HRQB75/w00P+hUtPzX/AOJo/wCGmh/0Klp+a/8AxNeB0UAe+f8ADTQ/6FS0/Nf/AImj/hpof9Cpafmv/wATXgdFAHvn/DTQ/wChUtPzX/4mj/hpof8AQqWn5r/8TXgdFAHvn/DTQ/6FS0/Nf/iaP+Gmh/0Klp+a/wDxNeB0UAe+f8NND/oVLT81/wDiaP8Ahpof9Cpafmv/AMTXgdFAHvn/AA00P+hUtPzX/wCJpR+05hSo8K2oVuo3Lg/+O14FRQB75/w00P8AoVLT81/+Jo/4aaH/AEKlp+a//E14HRQB75/w00P+hUtPzX/4mj/hpof9Cpafmv8A8TXgdFAHvn/DTQ/6FS0/Nf8A4mj/AIaaH/QqWn5r/wDE14HRQB75/wANND/oVLT81/8AiaP+Gmh/0Klp+a//ABNeB0UAe+f8NND/AKFS0/Nf/iaP+Gmh/wBCpafmv/xNeB0UAe+f8NND/oVLT81/+Jo/4aaH/QqWn5r/APE14HRQB75/w00P+hUtPzX/AOJo/wCGmh/0Klp+a/8AxNeB0UAe+f8ADTQ/6FS0/Nf/AImj/hpof9Cpafmv/wATXgdFAHvn/DTQ/wChUtPzX/4mj/hpof8AQqWn5r/8TXgdFAHvn/DTQ/6FS0/Nf/iaP+Gmh/0Klp+a/wDxNeB0UAe+f8NND/oVLT81/wDiaP8Ahpof9Cpafmv/AMTXgdFAHvn/AA00P+hUtPzX/wCJo/4aaH/QqWn5r/8AE14HRQB75/w00P8AoVLT81/+Jo/4aaH/AEKlp+a//E14HRQB75/w00P+hUtPzX/4mj/hpof9Cpafmv8A8TXgdFAHvn/DTQ/6FS0/Nf8A4mj/AIaaH/QqWn5r/wDE14HRQB9Cf8NVXf8A0L6f9/v/AK1L/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tR/w1Vd/9C+n/f7/AOtXz1RQB9C/8NVXf/Qvp/3+/wDrUf8ADVV3/wBC+n/f7/61fPVFAH0L/wANVXf/AEL6f9/v/rUf8NVXf/Qvp/3+/wDrV89UUAfQv/DVV3/0L6f9/v8A61H/AA1Vd/8AQvp/3+/+tXz1RQB9C/8ADVV3/wBC+n/f7/61H/DVV3/0L6f9/v8A61fPVFAH0L/w1Vd/9C+n/f7/AOtR/wANVXf/AEL6f9/v/rV89UUAfQv/AA1Vd/8AQvp/3+/+tWx4U/aKv/FXia00aHRoreS6YqsjSbgCAT0x7V8xV2vwf/5Kxon/AF2b/wBBNAH2bjxD/wA9bP8A79n/ABorYooA+e7n/j6l/wB8/wA6ydaguJ7LFuTgcug6sK9XsvhouoWcd3Nd+W048zaozgHkVV1DwRomlXAg1HXVt5GXcFdOSPX9K3w9Z0KsasVdruZ1aaqQcH1PD7OK4kulFpuEo5BU4x+NdFKl7NbskkJaRk2lzIOTiu/j8K+Eondo/EUCs5yxCHmpP+Ec8L/9DLF/3wa7s3zD+0nFWtFf1r+h5VPKaVv3ju/I4O90631LTms76ISROuCD2PqPeo9H0e00PTks7GPaij5mP3nPqTXoH/COeF/+hli/74NH/COeF/8AoZYv++DXlHsnHUV2P/COeF/+hli/74NH/COeF/8AoZYv++DQBx1Fdj/wjnhf/oZYv++DR/wjnhf/AKGWL/vg0AcdRXY/8I54X/6GWL/vg0f8I54X/wChli/74NAHHUV2P/COeF/+hli/74NH/COeF/8AoZYv++DQBx1Fdj/wjnhf/oZYv++DR/wjnhf/AKGWL/vg0AcdRXY/8I54X/6GWL/vg0f8I54X/wChli/74NAHHUV2P/COeF/+hli/74NH/COeF/8AoZYv++DQBx1Fdj/wjnhf/oZYv++DR/wjnhf/AKGWL/vg0AcdRXY/8I54X/6GWL/vg0f8I54X/wChli/74NAHHUV2P/COeF/+hli/74NH/COeF/8AoZYv++DQBx1Fdj/wjnhf/oZYv++DR/wjnhf/AKGWL/vg0AcdRXY/8I54X/6GWL/vg0f8I54X/wChli/74NAHHUV2P/COeF/+hli/74NH/COeF/8AoZYv++DQBzmi/wDIbtP+uorV8ff8jpe/SP8A9AWtKDQ9AtbmKay12O5nSRSkQU5Y5FafijRdBu/EVxNf65HazsE3RFSSvyjH6UAeb0V2P/COeF/+hli/74NH/COeF/8AoZYv++DQBx1Fdj/wjnhf/oZYv++DR/wjnhf/AKGWL/vg0AcdRXY/8I54X/6GWL/vg0f8I54X/wChli/74NAHHUV2P/COeF/+hli/74NH/COeF/8AoZYv++DQBx1Fdj/wjnhf/oZYv++DR/wjnhf/AKGWL/vg0AcdRXY/8I54X/6GWL/vg0f8I54X/wChli/74NAHHUV2P/COeF/+hli/74NH/COeF/8AoZYv++DQBx1Fdj/wjnhf/oZYv++DR/wjnhf/AKGWL/vg0Ac5o1zDaapHNcnbGobJxnqpAq5BrReO7jvJmKNA0cI29OSR0+ta/wDwjnhf/oZYv++DR/wjnhf/AKGWL/vg0AU7u90650tkurpL682hYHWBo2Tnueh/Hmtu6VJCbO3e3j1JrJQWMblyvlgkZzs6d8VQ/wCEc8L/APQyxf8AfJrRaPTHtfszeM8w7dm3b29KHqmC0Zg2N7YLpot9Wu47mONTttvs7Bkb2cf14rN8P/8AIw2WP+ey/wA63/8AhHPC/wD0MsX/AHyaltdF0G0vreaw1yO6nWZNsQUgt8wz+lHW4HnSf8nZeIP+uT/+iUrwCb/Xyf7x/nX1jq2neANL+LGp63P4qjtddkGye1dWfy8oo6AegBrgm8BfBdmJPjtck5Pzn/4muGnRlHF1Kr2kor7ub/M1ck6aj6/oeEUV7t/wgPwW/wCh7X/vs/8AxNH/AAgPwW/6Htf++z/8TXcZHhNFe7f8ID8Fv+h7X/vs/wDxNH/CA/Bb/oe1/wC+z/8AE0AeE0V7t/wgPwW/6Htf++z/APE1J/wrn4N/ZRcf8JwPJL7N+843Yzj7vpQB4LRXu3/CA/Bb/oe1/wC+z/8AE0f8ID8Fv+h7X/vs/wDxNAHhNFe7f8ID8Fv+h7X/AL7P/wATR/wgPwW/6Htf++z/APE0AeE0V7t/wgPwW/6Htf8Avs//ABNH/CA/Bb/oe1/77P8A8TQB4TRXvc/w5+Dds6rP44CMyK4Bc8qRkH7vpUX/AAgPwW/6Htf++z/8TQB4TRXu3/CA/Bb/AKHtf++z/wDE0f8ACA/Bb/oe1/77P/xNAHhNFe7f8ID8Fv8Aoe1/77P/AMTR/wAID8Fv+h7X/vs//E0AeE0V71b/AA5+Dd1cJBb+OBJLI21FDnJP/fNMPgD4LA4Pjtf++z/8TQB4RRXu3/CA/Bb/AKHtf++z/wDE0f8ACA/Bb/oe1/77P/xNAHhNFe7f8ID8Fv8Aoe1/77P/AMTR/wAID8Fv+h7X/vs//E0AeE0V7t/wgPwW/wCh7X/vs/8AxNSwfDn4N3LssHjgOyozkBzwoGSfu+lAHglFe7f8ID8Fv+h7X/vs/wDxNH/CA/Bb/oe1/wC+z/8AE0AeE0V7t/wgPwW/6Htf++z/APE0f8ID8Fv+h7X/AL7P/wATQB4TRXu3/CA/Bb/oe1/77P8A8TR/wgPwW/6Htf8Avs//ABNAHhNFe9f8K5+Df2U3H/CcDyQ+zfvON2M4+76VH/wgPwW/6Htf++z/APE0AeE0V7t/wgPwW/6Htf8Avs//ABNH/CA/Bb/oe1/77P8A8TQB4TRXu3/CA/Bb/oe1/wC+z/8AE0f8ID8Fv+h7X/vs/wDxNAHhNFe7f8ID8Fv+h7X/AL7P/wATUk3w5+DduU87xwE8xA65c8qeh+7QB4LRXu3/AAgPwW/6Htf++z/8TR/wgPwW/wCh7X/vs/8AxNAHhNFe7f8ACA/Bb/oe1/77P/xNH/CA/Bb/AKHtf++z/wDE0AeE0V7t/wAID8Fv+h7X/vs//E0f8ID8Fv8Aoe1/77P/AMTQB4TRXvVx8Ofg3aztDceOBHIhwylzkf8AjtR/8ID8Fv8Aoe1/77P/AMTQB4TRXu3/AAgPwW/6Htf++z/8TR/wgPwW/wCh7X/vs/8AxNAHhNFe7f8ACA/Bb/oe1/77P/xNH/CA/Bb/AKHtf++z/wDE0AeE0V73b/Dn4N3Uvl2/jgSPtLbQ56AZJ+76A1F/wgPwW/6Htf8Avs//ABNAHhNFe7f8ID8Fv+h7X/vs/wDxNH/CA/Bb/oe1/wC+z/8AE0AeE0V7t/wgPwW/6Htf++z/APE0f8ID8Fv+h7X/AL7P/wATQB4TRXu3/CA/Bb/oe1/77P8A8TUo+HPwba1a5HjgGFXCM+84DEEgfd9jQB4JRXu3/CA/Bb/oe1/77P8A8TR/wgPwW/6Htf8Avs//ABNAHhNFe7f8ID8Fv+h7X/vs/wDxNH/CA/Bb/oe1/wC+z/8AE0AeE0V7t/wgPwW/6Htf++z/APE0f8ID8Fv+h7X/AL7P/wATQB4TRXvU3w5+DcAj87xwE8xA6Zc/Mp6H7vtUf/CA/Bb/AKHtf++z/wDE0AeE0V7t/wAID8Fv+h7X/vs//E0f8ID8Fv8Aoe1/77P/AMTQB4TRXu3/AAgPwW/6Htf++z/8TR/wgPwW/wCh7X/vs/8AxNAHhNFe7f8ACA/Bb/oe1/77P/xNST/Dn4N2sxiuPHAjkUAlS54yMj+H0NAHgtFe7f8ACA/Bb/oe1/77P/xNH/CA/Bb/AKHtf++z/wDE0AeE0V7t/wAID8Fv+h7X/vs//E0f8ID8Fv8Aoe1/77P/AMTQB4TRXu3/AAgPwW/6Htf++z/8TUkHw5+Dd1MIrfxwJJGBIUOecDJ/h9BQB4LRXu3/AAgPwW/6Htf++z/8TR/wgPwW/wCh7X/vs/8AxNAHhNFe7f8ACA/Bb/oe1/77P/xNH/CA/Bb/AKHtf++z/wDE0AeE0V7t/wAID8Fv+h7X/vs//E0f8ID8Fv8Aoe1/77P/AMTQB4TRXva/Dn4NvbSXC+OAYo2Cu+84BOcD7vsai/4QH4Lf9D2v/fZ/+JoA8Jor3b/hAfgt/wBD2v8A32f/AImj/hAfgt/0Pa/99n/4mgDwmivdv+EB+C3/AEPa/wDfZ/8AiaP+EB+C3/Q9r/32f/iaAPCaK92/4QH4Lf8AQ9r/AN9n/wCJqU/Dn4NrarcHxwBCzlFfecFgASPu+4oA8Eor3b/hAfgt/wBD2v8A32f/AImj/hAfgt/0Pa/99n/4mgDwmivdv+EB+C3/AEPa/wDfZ/8AiaP+EB+C3/Q9r/32f/iaAPCaK92/4QH4Lf8AQ9r/AN9n/wCJo/4QH4Lf9D2v/fZ/+JoA8Jor3u4+HPwbtZfLuPHAjfaGwXPQjIP3fQiov+EB+C3/AEPa/wDfZ/8AiaAPCaK92/4QH4Lf9D2v/fZ/+Jo/4QH4Lf8AQ9r/AN9n/wCJoA8Jor3b/hAfgt/0Pa/99n/4mj/hAfgt/wBD2v8A32f/AImgDwmiverf4c/Bu6nWG38cCSRzhVDnJ/8AHaj/AOEB+C3/AEPa/wDfZ/8AiaAPCaK92/4QH4Lf9D2v/fZ/+Jo/4QH4Lf8AQ9r/AN9n/wCJoA8Jor3b/hAfgt/0Pa/99n/4mj/hAfgt/wBD2v8A32f/AImgDwmivdv+EB+C3/Q9r/32f/iakh+HPwbuC/k+OA/loXbDnhR1P3aAPBaK92/4QH4Lf9D2v/fZ/wDiaP8AhAfgt/0Pa/8AfZ/+JoA8Jor3b/hAfgt/0Pa/99n/AOJo/wCEB+C3/Q9r/wB9n/4mgDwmivdv+EB+C3/Q9r/32f8A4mj/AIQH4Lf9D2v/AH2f/iaAPCaK96/4Vz8G/souP+E4Hkl9m/ecbsZx930qP/hAfgt/0Pa/99n/AOJoA8Jor3b/AIQH4Lf9D2v/AH2f/iaP+EB+C3/Q9r/32f8A4mgDwmivdv8AhAfgt/0Pa/8AfZ/+Jo/4QH4Lf9D2v/fZ/wDiaAPCaK92/wCEB+C3/Q9r/wB9n/4mpZ/hz8G7Z1WfxwEZkVwC55UjIP3fSgDwSivdv+EB+C3/AEPa/wDfZ/8AiaP+EB+C3/Q9r/32f/iaAPCaK92/4QH4Lf8AQ9r/AN9n/wCJo/4QH4Lf9D2v/fZ/+JoA8Jor3b/hAfgt/wBD2v8A32f/AImpLf4c/Bu6uEgt/HAklkbaihzkn/vmgDwWivdz4A+CwOD47X/vs/8AxNJ/wgPwW/6Htf8Avs//ABNAHhNFe7f8ID8Fv+h7X/vs/wDxNH/CA/Bb/oe1/wC+z/8AE0AeE0V7t/wgPwW/6Htf++z/APE0f8ID8Fv+h7X/AL7P/wATQB4TRXvcHw5+Ddy7LB44DsqM5Ac8KBkn7vpUX/CA/Bb/AKHtf++z/wDE0AeE0V7t/wAID8Fv+h7X/vs//E0f8ID8Fv8Aoe1/77P/AMTQB4TRXu3/AAgPwW/6Htf++z/8TR/wgPwW/wCh7X/vs/8AxNAHhNFe7f8ACA/Bb/oe1/77P/xNSf8ACufg39lNx/wnA8kPs37zjdjOPu+lAHgtFe7f8ID8Fv8Aoe1/77P/AMTR/wAID8Fv+h7X/vs//E0AeE0V7t/wgPwW/wCh7X/vs/8AxNH/AAgPwW/6Htf++z/8TQB4TRXu3/CA/Bb/AKHtf++z/wDE0f8ACA/Bb/oe1/77P/xNAHhNFe9TfDn4N25TzvHATzEDrlzyp6H7tR/8ID8Fv+h7X/vs/wDxNAHhNFe7f8ID8Fv+h7X/AL7P/wATR/wgPwW/6Htf++z/APE0AeE0V7t/wgPwW/6Htf8Avs//ABNH/CA/Bb/oe1/77P8A8TQB4TRXu3/CA/Bb/oe1/wC+z/8AE1JcfDn4N2s7Q3HjgRyIcMpc5H/jtAHgtFe7f8ID8Fv+h7X/AL7P/wATR/wgPwW/6Htf++z/APE0AeE0V7t/wgPwW/6Htf8Avs//ABNH/CA/Bb/oe1/77P8A8TQB4TRXu3/CA/Bb/oe1/wC+z/8AE1Lb/Dn4N3Uvl2/jgSPtLYDnoBkn7voDQB4JRXu3/CA/Bb/oe1/77P8A8TR/wgPwW/6Htf8Avs//ABNAHhNFe7f8ID8Fv+h7X/vs/wDxNH/CA/Bb/oe1/wC+z/8AE0AeE0V7t/wgPwW/6Htf++z/APE0f8ID8Fv+h7X/AL7P/wATQB4TRXvY+HPwba1a5HjcGFXCM+84DEEgfd9jUX/CA/Bb/oe1/wC+z/8AE0AeE12vwf8A+SsaJ/12b/0E16D/AMID8Fv+h7X/AL7P/wATWx4T8IfDDS/Fen3fhfxYuoapHMPJtg5O/PB7dgSfwoA+jKKKKAI9F/5AVj/17p/6CK8x+Kn/ACM9v/16r/6E1enaL/yArH/r3T/0EV5j8VP+Rnt/+vVf/QmoA4iiiigAqzc2Fxa6XFfzLsimk2ID1PGc/Tireg2E13qCumnTX8UZG9Yj93PQn261s+M5ZftT2l0ix2kOdmOhx/FXdg6NOrVUJyWt9L66Hh5tmTwdK8E76dDkQcjIpay7TUfPvXhto2kiU8yE4AHrWpWOIo+xqOCdz0cHifrNFVLWCiggjqMfWggjqMVznWFFLggZIOKSgAorqpW0UeEbR5LO6JMjAFZlB3e529PaksPD+mHTbebUrlYmugWUtcrH5YyR90qd3TPUUdWHY5aiug0vSdOuIrje0l5Or7YoIJlRnHqAQc1Z8Px6dHFq0d7Z3BkjiOR5igqNw45Xg+9H+VwOYEbsjOqMVX7zAcD602uj01tNbTdWYx3CWYMREfmAueTxuxj9Kmi8N2U94JlleOxNsLjbLIFYZIG0tjA69cUActRXUf2Ho8mqxxxXZa3NvJLIsUwkaMqCfvAAHp6VDJodleDTpNMaaJLuV42EzBiNuDngD1oA55VZ2CoCzMcAAZJNDKVYqwKkHBBHStyP+y01uzi0+G6WRLpA0k0oYMA3YBRj86n1aw02e11G6s/tAntpwHZ2BV9xPQYyPzNHS4dbHOpFJIrGNGYIMsVGdo9TTa20AsdCihPEuoOCxHVYx2/HIP4VtHwvowVk3XZkVxHneuCxQNnp0GaGBxqwyvE0qRu0afecKSF+ppldFbLAfC2opA1zHJE6+aC6lJPvY425H50ljpuk/YNPe+F08967IBE4UJ82AeQc/SjqBz1FdHZaJYG4vIbkyXM8UmyK3imEbuPUZBz9KoWOn+ZrjRSRtDHAxeRZTyoXsf5UIDNkikhbbKjI2AcMMHFNrprW68631bWVRWnjKrCGGfLBOAcewqtpN5NqWsF71llYQsB8ij9AKQzCorY8LwrPrqRSbArRSjL9B+7bk0/xATZmPTYYgkEQ3CTHMxP8WfTt+FN6CWpS0X/kN2n/AF1Favj7/kdL36R/+gLWVov/ACG7T/rqK3PGdybTx7dzCOORlCYEgyAfLXn8KaA5WpGt5kdEeGRWcAopUgtnpj1rW8V4/t5yFVcopIUYFMt9Rm1HXNMM+0eS8US7R2BA/pSWoPTUyWUqxVgVIOCCOlJXVXWmaXevdy25nWWG6VZGkYbX3Megxx+ZrWvbeFv7SsLtowI4i1vbxoB5KgjDFuue2D60ul/67j62PP6KKKYgooooAKKKKACiiigAooooAKKKKACiiigAooooAK0fD/8AyMNl/wBdl/nWdWj4f/5GGy/67L/OgDn0/wCTsvEH/XJ//RKV4BN/r5P94/zr3mS5jtv2sdcMuf3gaNcDuYUxXg03+vk/3j/OvLop/wBoVn/dh+czokmqMX5v9BlFFFeoc4UUUUAFap/5E1P+v9v/AEWKyq1T/wAian/X+3/osUAZVFFFABRRRQAUUUUAa/iT/j+tf+vG3/8ARa1kVr+JP+P61/68bf8A9FrWRQAVpaVp9vcwXd3fPKttaKpkEIBdtx2jGeOtZtbOl/8AIs67/uQf+jRWNZtQ07pfe0jnxEnGn7rtdpfe0gx4Y/vat/3zF/jRjwx/e1b/AL5i/wAaxqKXsf7z+8X1f+/L7zrPDg8O/wDCSWH2dtU83z1271j2598Gs5x4Z8xstq3U/wAMX+NQ+Fv+Rq03/r4X+dZkn+sb6mj2P95/eH1f+/L7zXx4Y/vat/3zF/jRjwx/e1b/AL5i/wAaxqKPY/3n94fV/wC/L7zZx4Y/vat/3zF/jRjwx/e1b/vmL/Gsaij2P95/eH1f+/L7zZx4Y/vat/3zF/jWpoA8O/bLjyG1Pd9jnzvWPG3yznoeuK5Ktfw3/wAf11/143H/AKLaj2P95/eH1f8Avy+8djwx/e1b/vmL/GjHhj+9q3/fMX+NY1FHsf7z+8Pq/wDfl95s48Mf3tW/75i/xox4Y/vat/3zF/jWNRR7H+8/vD6v/fl95s48Mf3tW/75i/xox4Y/vat/3zF/jWNRR7H+8/vD6v8A35fedFfJp/8Awhu7SzdFPt6h/tIUHPlnptrna2V/5EV/+wkv/opqxqKLdmm72YYdu0k3ezsFFFFbnSFFFFABWrr/APrNP/68If8A0GsqtXX/APWaf/14Q/8AoNAGVRRRQAUUUUAFFFFAGr4o/wCRmvP98f8AoIrKrV8Uf8jNef74/wDQRWVQAVsW2n6bBpdve6vJdYumcRLahTjYQDu3fUdKx62dS/5FPRP9+4/9CWsKzd4xTtd/o3+hzV27wina7/Rv9Ax4Y/vat/3zF/jRjwx/e1b/AL5i/wAaxqKPY/3n94fV/wC/L7zrfDw8O/2t/o7anv8As8331jxjymz0PpmsvHhj+9q3/fMX+NN8Mf8AIa/7dp//AEU1ZFHsf7z+8Pq/9+X3mzjwx/e1b/vmL/GjHhj+9q3/AHzF/jWNRR7H+8/vD6v/AH5febOPDH97Vv8AvmL/ABox4Y/vat/3zF/jWNRR7H+8/vD6v/fl95s48Mf3tW/75i/xrUiHh3/hE7nDan5P2yLdlY927Y+O+Mda5KteH/kS7v8A6/ov/QHo9j/ef3h9X/vy+8djwx/e1b/vmL/GjHhj+9q3/fMX+NY1FHsf7z+8Pq/9+X3mzjwx/e1b/vmL/GjHhj+9q3/fMX+NY1FHsf7z+8Pq/wDfl95s48Mf3tW/75i/xox4Y/vat/3zF/jWNRR7H+8/vD6v/fl95ueKFgWXTfshkMBsIynm43Y3N1xxWHWz4i/1ej/9g2P/ANCasanRk5U02Vh5OVJOQUUUVsbhRRRQAVq+Jv8AkYJ/9yP/ANFrWVWr4m/5GCf/AHI//Ra0AZVFFFABRRRQAVq+Gf8AkYIP9yT/ANFtWVWr4Z/5GCD/AHJP/RbUAZVFFFABW2NO0qxsbSXV5bwyXcXnRi1VSFXcVwd3fKn9KxK3PEP/ACDtB/7B3/tWSuetdyjFO13+jOWu5OUIJ2u+no2Mx4Y/vat/3zF/jRjwx/e1b/vmL/Gsain7H+8/vH9X/vy+8621Hh3/AIRfUNran5X2iHflY92cPjHP1rLx4Y/vat/3zF/jTbP/AJFDU/8Ar5t/5SVkUex/vP7w+r/35febOPDH97Vv++Yv8aMeGP72rf8AfMX+NY1FHsf7z+8Pq/8Afl95s48Mf3tW/wC+Yv8AGjHhj+9q3/fMX+NY1FHsf7z+8Pq/9+X3mzjwx/e1b/vmL/GtSUeHf+ETtstqfk/bJduFj3btiZ79OlclWvN/yJlp/wBf0v8A6AlHsf7z+8Pq/wDfl947Hhj+9q3/AHzF/jRjwx/e1b/vmL/Gsaij2P8Aef3h9X/vy+82ceGP72rf98xf40Y8Mf3tW/75i/xrGoo9j/ef3h9X/vy+82ceGP72rf8AfMX+NGPDH97Vv++Yv8axqKPY/wB5/eH1f+/L7zb8XoieIWERYx/Z4Cu7rjylxn3rErb8Xf8AIfH/AF623/olKxKdCTnSjJ7tIrDTlOhCUt2kFFFFbG4UUUUAavhf/kZrP/fP/oJrKrV8L/8AIzWf++f/AEE1lUAFFFFABRRRQAVq6B/rNQ/68Jv/AEGsqtXQP9ZqH/XhN/6DQBlUUUUAOijMsyRg4LsFBPvW7d2OgadeTWV5JqTXFu5ilaJY9hYHBxk5xn1rGs/+P+3/AOuq/wA6v+Kf+Ru1b/r8l/8AQzXNUvKqoXsrN6fI5KnNOsoXaVm9PVEmPDH97Vv++Yv8aMeGP72rf98xf41jUVXsf7z+8r6v/fl951hHh3/hFV+bVPJ+2t/DHu3bB79MVmY8Mf3tW/75i/xqM/8AImp/1/t/6LFZVHsf7z+8Pq/9+X3mzjwx/e1b/vmL/GjHhj+9q3/fMX+NY1FHsf7z+8Pq/wDfl95s48Mf3tW/75i/xox4Y/vat/3zF/jWNRR7H+8/vD6v/fl95s48Mf3tW/75i/xrU18eHftlv57anu+xwY2LHjb5Yx1PXFclWv4k/wCP61/68bf/ANFrR7H+8/vD6v8A35feOx4Y/vat/wB8xf40Y8Mf3tW/75i/xrGoo9j/AHn94fV/78vvNnHhj+9q3/fMX+NGPDH97Vv++Yv8axqKPY/3n94fV/78vvNnHhj+9q3/AHzF/jWp4bTw+/ibT1tG1LzzOuzzVj2598HOK5Ktnwf/AMjlpX/Xyn86yrQcKcpqTuk2Y16cqdKU4zd0m9+yMiT/AFjfU02nSf61/wDeNNrsWx3LYKKKKBhRRRQBr+G/+P66/wCvG4/9FtWRWv4b/wCP66/68bj/ANFtWRQAUUUUAFFFFABWqP8AkTX/AOv9f/RZrKrVH/Imv/1/r/6LNAGVRRRQBZ06yfUtTtrKNlR7iVYlZugJOMmtJ4vDUUjRyPqpdCVYqseMj8ah8Lf8jdpP/X5F/wChiqF5/wAf9x/11b+dc0rzq8t2kl0+ZyTUp1nDmaSSenq/8jTx4Y/vat/3zF/jRjwx/e1b/vmL/Gsaiq9j/ef3lfV/78vvOs1oeHd9j5zap/x5Rbdix/dxxnnrWZjwx/e1b/vmL/Go9f8A9Zp//XhD/wCg1lUex/vP7w+r/wB+X3mzjwx/e1b/AL5i/wAaMeGP72rf98xf41jUUex/vP7w+r/35febOPDH97Vv++Yv8aMeGP72rf8AfMX+NY1FHsf7z+8Pq/8Afl95s48Mf3tW/wC+Yv8AGtPxEPDv/CQXf2htU8zcN2xY8dB0ya5OtXxR/wAjNef74/8AQRR7H+8/vD6v/fl95Jjwx/e1b/vmL/GjHhj+9q3/AHzF/jWNRR7H+8/vD6v/AH5febOPDH97Vv8AvmL/ABox4Y/vat/3zF/jWNRR7H+8/vD6v/fl95s48Mf3tW/75i/xrT0BNCfUnGntqH2j7LOV89U2f6ps5wc9K5Otvwj/AMh8/wDXrc/+iXrKtB06cpqTulcxr05UqUqkZu6Te5iUUUV2HeFFFFABRRRQBrw/8iXd/wDX9D/6BJWRWvD/AMiXd/8AX9D/AOgSVkUAFdr8H/8AkrGif9dm/wDQTXFV2vwf/wCSsaJ/12b/ANBNAH3LRRRQBHov/ICsf+vdP/QRXmPxU/5Ge3/69V/9CavTtF/5AVj/ANe6f+givMfip/yM9v8A9eq/+hNQBxFFTRWdzMm+GCR1zjKqSKSS1nhXdLDIg9WUigCFrrUrZGOl3z2hI+YKud/pWdfSa7rFnbpqV7IxbHmR7yVXjr7mtKrV1p1xZ6VDfzrsjmk2opHJGM5+lTQwcHilXpwTn3+VjzsXRw1vaVtDPtbWOzgEUIwB1PqfWp1YqwYdQc00EEZHSlrSTlzXe53xUVFKOxb1LU7jVbhZrsqXVAg2rgYAwKW/1S41FYFudmIE2JtXHFU6KkovS6jPfWtpYzvGkMBwjbcbcnknHWrX9iWmP+Q/p35S/wDxFY9PlikgkKTI0bgAlWGDQBet9Xns7R7MJb3EJbI82IPg+oz0pYNduIbRbZ4ba4iQkoJ4Q+zPYZ6VQihluJNkEbSPjO1Rk0ygDQstXksVPlWtm7FtweSAMy/Q9qbb6xd2+oS3gZZJJs+YJF3K+euR3qrDbzXG7yInk2LubYucD1qOgDTg12e3knZLaz2XG3fEYAU46YXtQPEF8NQN3uQsyeWYyn7sp/d29Me1ZlFAGg2sz/aTPDDbQMYmiIhhCghhg8DvzTE1a7jgtoo5NgtnaSMqMEE4zz+FVpIJYkR5I2RZBlCwwGHTIqOgDSuNcnuZ45jb2scscgl8yKAKzN15PeoRqdx5dzG20pcuHlGOpBz+HWqdFAFy/wBRa+vhcCNYgoAjjByEA6CrX/CSagWLbo8lw/3O4UL/ACArJooA1rbxFc2tm9sltZtHJ9/fbgl/qe/WrQ1/7Jo9jHaR2rTp5hYvCC0RLEjae34Vz9OjjeWRY4lLuxwqqMkmgC9a6xNas7/Z7WeR23l54Q7Z+ppW1mZ7e8Eihp7xgZJiecdSMfXH5VnujRuUdSrKcEEcg0lAFvTtTuNMld7fYRIpR0kXcrj0I71Mmtzxagt3Db2sTqu3YkICEe4qjNBLbybJ42jbAO1hg4IyKZQBpNrc/wBoWaG3tLd1Vl/cwBMhgQc49jUE2pXE9hHaTbHjiOUYr8yj0B9PaqlFAF7Rf+Q3af8AXUVt+M7k2njy7lEUUpAT5ZkDqf3a9jWJov8AyG7T/rqK1fH3/I6Xv0j/APQFoAzNU1mfVmVrmG2Vx/HFCFJ+pqnBM9vcRzRYDxsGXI7g5qOijYC5/adz5NzHuXbcuHk47g549OtWLjxDfXFq8L+UplAEsqRgSSD/AGm71QktZ4UjeWF0WUZjLKQGHt602WKSCVo5kaN1OGVhgigBlFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVo+H/APkYbL/rsv8AOs6tHw//AMjDZf8AXZf50Acfqscr/tV6w0ELTGKTzCiYzgRJnrXlkvh+yMzk+JNLHzHgibj/AMcr1XVb5tM/aY8VXsah2gtZXCt0OIErzJ5PAzOxaDxDknJxPB/8RXm+zqvFVJp2VorS26u3v6ovESnOhCEW1Zva3W3cqf8ACP2X/Qy6X+U3/wARR/wj9l/0Mul/lN/8RVrf4F/54eIv+/8AB/8AEUb/AAL/AM8PEX/f+D/4iujkqfzv7l/kef7Or/z8f3R/yKv/AAj9l/0Mul/lN/8AEUf8I/Zf9DLpf5Tf/EVa3+Bf+eHiL/v/AAf/ABFG/wAC/wDPDxF/3/g/+Io5Kn87+5f5B7Or/wA/H90f8ir/AMI/Zf8AQy6X+U3/AMRWkdDs/wDhFVj/AOEg07b9tLeZiXbnYOPuZzVff4F/54eIv+/8H/xFaZfwV/wiq/uNf8n7a3HnQ7t2wf7PTFHJU/nf3L/IPZ1f+fj+6P8AkYX/AAj9l/0Mul/lN/8AEUf8I/Zf9DLpf5Tf/EVa3+Bf+eHiL/v/AAf/ABFG/wAC/wDPDxF/3/g/+Io5Kn87+5f5B7Or/wA/H90f8ir/AMI/Zf8AQy6X+U3/AMRR/wAI/Zf9DLpf5Tf/ABFWt/gX/nh4i/7/AMH/AMRRv8C/88PEX/f+D/4ijkqfzv7l/kHs6v8Az8f3R/yKv/CP2X/Qy6X+U3/xFH/CP2X/AEMul/lN/wDEVa3+Bf8Anh4i/wC/8H/xFG/wL/zw8Rf9/wCD/wCIo5Kn87+5f5B7Or/z8f3R/wAi1r2h2kt5blvEGnREWcCgOJeQIwM8J0PWsv8A4R+y/wChl0v8pv8A4it7X38FfbLfz4NeLfY4MbJocbfLGOq9cVl7/Av/ADw8Rf8Af+D/AOIo5Kn87+5f5B7Or/z8f3R/yKv/AAj9l/0Mul/lN/8AEVYNvY6X4d1SJNYs7ya5ESpHAJM/K4J+8oHSnb/Av/PDxF/3/g/+Ire0jwj4V1vTBqVpJrEVtE1yJ45ZIi58qDzflIXAz05qZU5O3PJ2unsumvYmVKTtzzdrp7Lo79vI87orpt/gX/nh4i/7/wAH/wARRv8AAv8Azw8Rf9/4P/iK6ubyOzm8jO8Lf8jVpv8A18L/ADrMk/1jfU12/h1/BP8Awklh9ng18S+eu3fNDtz74Ws538C+Y2YPEPU/8t4P/iKObyDm8jl6K6bf4F/54eIv+/8AB/8AEUb/AAL/AM8PEX/f+D/4ijm8g5vI5mium3+Bf+eHiL/v/B/8RRv8C/8APDxF/wB/4P8A4ijm8g5vI5mtfw3/AMf11/143H/otqv7/Av/ADw8Rf8Af+D/AOIrU0B/BX2y48iDXg32OfO+aHG3yznovXFHN5BzeRwtFdNv8C/88PEX/f8Ag/8AiKN/gX/nh4i/7/wf/EUc3kHN5HM0V02/wL/zw8Rf9/4P/iKN/gX/AJ4eIv8Av/B/8RRzeQc3kczRXTb/AAL/AM8PEX/f+D/4ijf4F/54eIv+/wDB/wDEUc3kHN5DdMs4b7wZNFPqFvZbdQVg1xuw37s8DaDVf/hH7L/oZdL/ACm/+IrdD+Cv+EVb9xr/AJP21ePOh3bth/2emKzN/gX/AJ4eIv8Av/B/8RXN7OSbcZNX8l/kcvsZqTcZNXd9l/kVf+Efsv8AoZdL/Kb/AOIo/wCEfsv+hl0v8pv/AIirW/wL/wA8PEX/AH/g/wDiKN/gX/nh4i/7/wAH/wART5Kn87+5f5B7Or/z8f3R/wAir/wj9l/0Mul/lN/8RR/wj9l/0Mul/lN/8RVrf4F/54eIv+/8H/xFG/wL/wA8PEX/AH/g/wDiKOSp/O/uX+Qezq/8/H90f8ir/wAI/Zf9DLpf5Tf/ABFaWtaHZyPZbvEGnR7bKJRuEvzADqMJ0NV9/gX/AJ4eIv8Av/B/8RWnrT+Ct9j50Gvn/QotuyaH7uOM/L1o5Kn87+5f5B7Or/z8f3R/yML/AIR+y/6GXS/ym/8AiKP+Efsv+hl0v8pv/iKtb/Av/PDxF/3/AIP/AIijf4F/54eIv+/8H/xFHJU/nf3L/IPZ1f8An4/uj/kVf+Efsv8AoZdL/Kb/AOIo/wCEfsv+hl0v8pv/AIirW/wL/wA8PEX/AH/g/wDiKN/gX/nh4i/7/wAH/wARRyVP539y/wAg9nV/5+P7o/5FX/hH7L/oZdL/ACm/+Io/4R+y/wChl0v8pv8A4irW/wAC/wDPDxF/3/g/+Io3+Bf+eHiL/v8Awf8AxFHJU/nf3L/IPZ1f+fj+6P8AkWPEOh2cviC6d/EGnRFmGUcS5HA9ErN/4R+y/wChl0v8pv8A4it3xE/gr/hILv7RBr5k3Ddsmhx0HTK1mb/Av/PDxF/3/g/+Io5Kn87+5f5B7Or/AM/H90f8ir/wj9l/0Mul/lN/8RS659lg0bS7K1v4L14DM0jQBto3FSPvAelWd/gX/nh4i/7/AMH/AMRRv8C/88PEX/f+D/4ihU5cylKTdvJdrfqCpT54ylJu2uy7NdF5nM0V02/wL/zw8Rf9/wCD/wCIo3+Bf+eHiL/v/B/8RXRzeR1c3kUPDH/Ia/7dp/8A0U1ZFd14efwV/a3+jwa+H+zzffmhxjymz0X0zWXv8C/88PEX/f8Ag/8AiKObyDm8jmaK6bf4F/54eIv+/wDB/wDEUb/Av/PDxF/3/g/+Io5vIObyOZorpt/gX/nh4i/7/wAH/wARRv8AAv8Azw8Rf9/4P/iKObyDm8jma14f+RLu/wDr+i/9Aer+/wAC/wDPDxF/3/g/+IrUifwV/wAInc4g17yftkW4GaHdu2Pj+HGOtHN5BzeRwtFdNv8AAv8Azw8Rf9/4P/iKN/gX/nh4i/7/AMH/AMRRzeQc3kczRXTb/Av/ADw8Rf8Af+D/AOIo3+Bf+eHiL/v/AAf/ABFHN5BzeRzNFdNv8C/88PEX/f8Ag/8AiKN/gX/nh4i/7/wf/EUc3kHN5Euo6Xa31lpEsus2Vmw0+NfKnEm77zc/KpFUP+Efsv8AoZdL/Kb/AOIrd1h/BWzTvOg18/6EmzbND93Ldfl61mb/AAL/AM8PEX/f+D/4iuWNKcVaMnb0X+RxxozgrRm7ekf8ir/wj9l/0Mul/lN/8RR/wj9l/wBDLpf5Tf8AxFWt/gX/AJ4eIv8Av/B/8RRv8C/88PEX/f8Ag/8AiKrkqfzv7l/kV7Or/wA/H90f8ir/AMI/Zf8AQy6X+U3/AMRR/wAI/Zf9DLpf5Tf/ABFWt/gX/nh4i/7/AMH/AMRRv8C/88PEX/f+D/4ijkqfzv7l/kHs6v8Az8f3R/yKv/CP2X/Qy6X+U3/xFaXiDQ7OXW5nfxBp0RKx/I4lyPkX0Sq+/wAC/wDPDxF/3/g/+IrT8Qv4K/tyb7RBr5k2x52TQ4+4uOq+lHJU/nf3L/IPZ1f+fj+6P+Rhf8I/Zf8AQy6X+U3/AMRR/wAI/Zf9DLpf5Tf/ABFWt/gX/nh4i/7/AMH/AMRRv8C/88PEX/f+D/4ijkqfzv7l/kHs6v8Az8f3R/yKv/CP2X/Qy6X+U3/xFH/CP2X/AEMul/lN/wDEVa3+Bf8Anh4i/wC/8H/xFG/wL/zw8Rf9/wCD/wCIo5Kn87+5f5B7Or/z8f3R/wAir/wj9l/0Mul/lN/8RWl4f0Ozi1uF08QadKQsnyIJcn5G9Uqvv8C/88PEX/f+D/4itPw8/gr+3Ifs8GviTbJjfNDj7jZ6L6UclT+d/cv8g9nV/wCfj+6P+Rhf8I/Zf9DLpf5Tf/EUf8I/Zf8AQy6X+U3/AMRVrf4F/wCeHiL/AL/wf/EUb/Av/PDxF/3/AIP/AIijkqfzv7l/kHs6v/Px/dH/ACKv/CP2X/Qy6X+U3/xFHiWS12aXbWl5FefZbMRSSRBtu7zHbHzAHoRVrf4F/wCeHiL/AL/wf/EUb/Av/PDxF/3/AIP/AIihU5cylKTdvQI0pc6nOTdvJenRHM0V02/wL/zw8Rf9/wCD/wCIo3+Bf+eHiL/v/B/8RXRzeR1c3kULP/kUNT/6+bf+UlZFd1av4K/4RfUNsGveV9oh35mh3Zw+MfL9ay9/gX/nh4i/7/wf/EUc3kHN5HM0V02/wL/zw8Rf9/4P/iKN/gX/AJ4eIv8Av/B/8RRzeQc3kczRXTb/AAL/AM8PEX/f+D/4ijf4F/54eIv+/wDB/wDEUc3kHN5HM1rzf8iZaf8AX9L/AOgJV/f4F/54eIv+/wDB/wDEVqSv4K/4RO2zBr/k/bJdoE0O7dsTP8OMdKObyDm8jhaK6bf4F/54eIv+/wDB/wDEUb/Av/PDxF/3/g/+Io5vIObyOZorpt/gX/nh4i/7/wAH/wARRv8AAv8Azw8Rf9/4P/iKObyDm8jmaK6bf4F/54eIv+/8H/xFG/wL/wA8PEX/AH/g/wDiKObyDm8i14g0i0vNTjnk1ywtma1t8xSiTcuIlHOEI/Wsv/hH7L/oZdL/ACm/+Ire8Qv4K/tYfaINeL/Z4fuTQ4x5S46r6Vl7/Av/ADw8Rf8Af+D/AOIrljSnCKjGbsvJf5HHChUpxUIzdl5R/wAir/wj9l/0Mul/lN/8RR/wj9l/0Mul/lN/8RVrf4F/54eIv+/8H/xFG/wL/wA8PEX/AH/g/wDiKrkqfzv7l/kV7Or/AM/H90f8ir/wj9l/0Mul/lN/8RR/wj9l/wBDLpf5Tf8AxFWt/gX/AJ4eIv8Av/B/8RRv8C/88PEX/f8Ag/8AiKOSp/O/uX+Qezq/8/H90f8AIseHtDs4vEFq6eINOlKscIglyeD6pWb/AMI/Zf8AQy6X+U3/AMRW74dfwV/wkFp9ng18Sbjt3zQ46HrhazN/gX/nh4i/7/wf/EUclT+d/cv8g9nV/wCfj+6P+RV/4R+y/wChl0v8pv8A4ij/AIR+y/6GXS/ym/8AiKtb/Av/ADw8Rf8Af+D/AOIo3+Bf+eHiL/v/AAf/ABFHJU/nf3L/ACD2dX/n4/uj/kVf+Efsv+hl0v8AKb/4ij/hH7L/AKGXS/ym/wDiKtb/AAL/AM8PEX/f+D/4ijf4F/54eIv+/wDB/wDEUclT+d/cv8g9nV/5+P7o/wCRV/4R+y/6GXS/ym/+IrS0XQ7ON73b4g06TdZSqdol+UEdTlOgqvv8C/8APDxF/wB/4P8A4itPRX8Fb77yYNfH+hS7t80P3cc4+XrRyVP539y/yD2dX/n4/uj/AJGF/wAI/Zf9DLpf5Tf/ABFH/CP2X/Qy6X+U3/xFWt/gX/nh4i/7/wAH/wARRv8AAv8Azw8Rf9/4P/iKOSp/O/uX+Qezq/8APx/dH/Iht9CsYrmKRvEmmEI4Y4E3Y/7lZ/iC4iu/Emo3Fs4khluZHRh/ECxINa2/wL/zw8Rf9/4P/iKN/gX/AJ4eIv8Av/B/8RThTcZ88m306foOnTlGfPJtu1un6HM0V02/wL/zw8Rf9/4P/iKN/gX/AJ4eIv8Av/B/8RW/N5HTzeRnH/kTU/6/2/8ARYrKruS/gr/hFV/ca/5P21uPOh3btg/2emKzN/gX/nh4i/7/AMH/AMRRzeQc3kczRXTb/Av/ADw8Rf8Af+D/AOIo3+Bf+eHiL/v/AAf/ABFHN5BzeRzNFdNv8C/88PEX/f8Ag/8AiKN/gX/nh4i/7/wf/EUc3kHN5HM1r+JP+P61/wCvG3/9FrV/f4F/54eIv+/8H/xFamvv4K+2W/nwa8W+xwY2TQ42+WMdV64o5vIObyOForpt/gX/AJ4eIv8Av/B/8RRv8C/88PEX/f8Ag/8AiKObyDm8jmaK6bf4F/54eIv+/wDB/wDEUb/Av/PDxF/3/g/+Io5vIObyOZrZ8IEDxjpRY4H2lMn05q7v8C/88PEX/f8Ag/8AiK0/Dj+Cv+EksPs8GviXz12b5oduc98LUVEpwcH10IqJVIODT1VvvMR/D9kZG/4qTS+p7Tf/ABFN/wCEfsv+hl0v8pv/AIirjv4F8xsweIep/wCW8H/xFN3+Bf8Anh4i/wC/8H/xFZclT+d/cv8AIw9nV/5+P7o/5FX/AIR+y/6GXS/ym/8AiKP+Efsv+hl0v8pv/iKtb/Av/PDxF/3/AIP/AIijf4F/54eIv+/8H/xFHJU/nf3L/IPZ1f8An4/uj/kVf+Efsv8AoZdL/Kb/AOIo/wCEfsv+hl0v8pv/AIirW/wL/wA8PEX/AH/g/wDiKN/gX/nh4i/7/wAH/wARRyVP539y/wAg9nV/5+P7o/5FrQdDtIry4K+INOlJs51IQS8AxkZ5ToOtZf8Awj9l/wBDLpf5Tf8AxFb2gP4K+2XHkQa8G+xz53zQ42+Wc9F64rL3+Bf+eHiL/v8Awf8AxFHJU/nf3L/IPZ1f+fj+6P8AkVf+Efsv+hl0v8pv/iKP+Efsv+hl0v8AKb/4irW/wL/zw8Rf9/4P/iKN/gX/AJ4eIv8Av/B/8RRyVP539y/yD2dX/n4/uj/kVf8AhH7L/oZdL/Kb/wCIo/4R+y/6GXS/ym/+Iq1v8C/88PEX/f8Ag/8AiKN/gX/nh4i/7/wf/EUclT+d/cv8g9nV/wCfj+6P+RV/4R+y/wChl0v8pv8A4itIaHZ/8Iq0f/CQadt+2hvMxLtzsPH3M5qvv8C/88PEX/f+D/4itMP4K/4RVv3Gv+T9tXjzod27Yf8AZ6Yo5Kn87+5f5B7Or/z8f3R/yML/AIR+y/6GXS/ym/8AiKP+Efsv+hl0v8pv/iKtb/Av/PDxF/3/AIP/AIijf4F/54eIv+/8H/xFHJU/nf3L/IPZ1f8An4/uj/kP0bS9O07XLG9m8R6a0dvOkjBRLkgMCcfJXN3Th7yZ0OVaRiD6jNdDv8C/88PEX/f+D/4ijf4F/wCeHiL/AL/wf/EU6cHGTk22/l+hVOm4Tc5NttW6fp6nM0V02/wL/wA8PEX/AH/g/wDiKN/gX/nh4i/7/wAH/wARW/N5HRzeRna//rNP/wCvCH/0Gsqu51p/BW+x86DXz/oUW3ZND93HGfl61mb/AAL/AM8PEX/f+D/4ijm8g5vI5mium3+Bf+eHiL/v/B/8RRv8C/8APDxF/wB/4P8A4ijm8g5vI5mium3+Bf8Anh4i/wC/8H/xFG/wL/zw8Rf9/wCD/wCIo5vIObyOZrV8Uf8AIzXn++P/AEEVo7/Av/PDxF/3/g/+IrT8RP4K/wCEgu/tEGvmTcN2yaHHQdMrRzeQc3kcNRXTb/Av/PDxF/3/AIP/AIijf4F/54eIv+/8H/xFHN5BzeRzNFdNv8C/88PEX/f+D/4ijf4F/wCeHiL/AL/wf/EUc3kHN5HM1u+DQreJFV5FjVre4Uu2cLmFxk4qzv8AAv8Azw8Rf9/4P/iK1PDz+Cv7WP2eDXg/2eb780OMeU2ei+lZ1EqkHB31M6sVVpypu+qsYP8Awj9l/wBDLpf5Tf8AxFH/AAj9l/0Mul/lN/8AEVa3+Bf+eHiL/v8Awf8AxFG/wL/zw8Rf9/4P/iKz5Kn87+5f5GPs6v8Az8f3R/yKv/CP2X/Qy6X+U3/xFH/CP2X/AEMul/lN/wDEVa3+Bf8Anh4i/wC/8H/xFG/wL/zw8Rf9/wCD/wCIo5Kn87+5f5B7Or/z8f3R/wAir/wj9l/0Mul/lN/8RR/wj9l/0Mul/lN/8RVrf4F/54eIv+/8H/xFG/wL/wA8PEX/AH/g/wDiKOSp/O/uX+Qezq/8/H90f8i1FodoPClzF/b+nFTeRMZMS7QQj8fcznn9Ky/+Efsv+hl0v8pv/iK3on8Ff8IndYg17yftkW4GaHdu2Pj+HGOtZe/wL/zw8Rf9/wCD/wCIo5Kn87+5f5B7Or/z8f3R/wAir/wj9l/0Mul/lN/8RXRfC22jtPjFosMN1DdqJSRLDu2n5D/eAP6Vj7/Av/PDxF/3/g/+Ira+GR04/GbRv7GW6W0835RdMrSZ2HOSoA61dOM0/ek3936GtKM1L3pN+qX6I+2qKKK3Ogj0X/kBWP8A17p/6CK8x+Kn/Iz2/wD16r/6E1enaL/yArH/AK90/wDQRXmPxU/5Ge3/AOvVf/QmoA2tP1v/AIR/4XrfQ6dcX0yxvtW2iVyhCkhmBI+UY5qvJ4gPir4ZpcXFlJptxLFCXe7iEauSqksmCflJPFcrZ+Mr6x0kadHa200AUqfNJ+YHqCKr3fia7vtO+wy28EMCqqokOQFA6DHpWiUd7kO5CsUGlSpdTva6gin/AFMUxBz6n5elWdW8QLrlvmVVht4xny8/dOOuaxaztSsJbpUjhfYjN+857V6WX4mjSvzrXufP5zgMRikvZSduqGWeotcXzxWsReBT/rGOOK1KhtraO0gWKFcKP1PrU6sVYMOoORXFiayrVHO1j18Hh3hqKpt3BkZDh1KnryMUMjJjcpXIyMjrVrUdTudUuFmvHDOqBAQoHAGB0ovtTutRWBbplYQJsjAUDA/CuY7CtsYBWKkA9CR1rrtTs9Nvry9jKTfa4rQTebvwoIQfLtxz9c1zVxql1dWVvaTMpht8+WAoGP8AGnf2veG4mn3r5k0XlOdo5XGMflQ+wLe5c0//AIl+i3N+cebN+4hB6juW/TH41s2vh/RzYxSXKXDyNCkrbZAB8zbcdP1rmLy/a7ht4vLWOO3Taqr3Pc/U1Ouv36xCMSrtCLGPkHQHI/WmI1tOgtbe/wBTs4hcJIkTlZUmwNvHykY5/OqGnWumrost9qMU0zLOIkjifbnIz1waZa+Jb+zeV4hbF5iS7PboxOe2SOntVm28Qm30mfYlqbmW5D+W1spUDaeQCMDmkvPshk39j6ZBrk0NxIfJ8pXhjeXYWJHQtg/yrOuNMY66lmtpJabyMRyPvIX1zgZ4qOLWrqO8lunWCeWX7xnhWQfgCOKkXXrg3U1zKkbzSReUjBdoiH+yBwOOPxoXQDbsL/frd6bYhUtLORISBnG1D8w+p5q1pVwbywg1S+jWS6hZ1EjDBdBjr64z+tcjp2p3Gl3BmtSm5lKsJEDgg8EYNWJvEOoTSh2kRQIzGsaRhUUHrhRwOnWjoC3Na6a0bw9fJZFJF3LMSo+6WYcfhnFcxF/rU+oq1YTEiS0e5S2guBiR3QsBjkdAT1FWZNNsIo2ki1y2kdRlUEMoLH05XFNaO4bqx1viFJTZ6qZpo7mAMqQwxjJgbPU8DHGR361k3Gg6PaWfl3V3FHc+QJN5nO7cV3AeXt98ferEOu35uLqYyqWu12zAoMMM56fhTm1+8kshbTLbyqE2B5IFZwP94jNTbQF0NnSfD1jeWkKXaCK4mQsjG5O5h6hNnT/gVN0WxsbGfS5bqCa5uLqbKFJNqxgNjng5/Ssy38T6lawRxRPF+6XajmFS4X03YzimWfiPUbGBIrd48RtuRmiVmQ5zwTyKrrcVtLFbVP8AkL3f/XZv51e0uxs10uXUdQjlnVZViSKJ9hJOTknB9PSo0s7S9U3N1rNvBNKSzxtDISDn2XFOTUZdEZ4NOvILyGTBYmElQfUBxwR60lorFPV3NvUrG3vfEs7XEH+jRW0RJe48sRjYuMttP8qbBp2naV4uskETTxTxiSMLNkITnuV+YcegrFXxLqQvJrl3jleZQkgkiVlYAYGQRjtVe61m9vL2K7mkHnQqFQqoXAHTgULRoT1T/rsX5IbLUPEIgsrCVBvbzVa4+8Bkk52/KB9DUniDR7Kz022vLBl2yyNGyrMZRwBzu2r69MVSfxFfNfx3ii3jmTPMcCruz13ADnr3qPUNbvNTt0guTGIo2LKkcSoAT14H0pWtFId/euN0X/kN2n/XUVu+MLhrb4hXEqzNBgx5kRdxUbFyQO9YWi/8hu0/66itzxldvZePbuaNInYBOJYw6/6tex4qkJjdbuGmt9NvrdheYZkE0se15GGOCo9M+tQ67czNo9tBqrCTUd+/tlEweD+lZ7a9etfQ3WYlaA5jRYlEan124xRqOu3eqqwu47bczbmeO3RGJ9yBmp6D6kUuoz3cdnBMV2Ww2R4HbOefzrptXsNMv9R1basy3Nv+8aUv8p+YAjbj365rjQSrAjqKutrF4813K0i7rxdsx2jkZB/DkVQup2/kwxztp1zIPsz2v7m2RRgDZkyMe3OTTLaGKzksrR5QLKaLC26KCZ2Ocs3oOBXIf8JDqH2I22+PBTyzJ5a+YV9N/XGOOvSi38QX9taC3iePCgqsjRKZEHoGxkfhS/r8w6HWW0MOmQ2SxXAjs5ZGV1RQzXDbsBfpij7PDpVs09pOLWBrp/OdVDOwwMRgfifzrkrLXr6wt/JgMTKCShkiV2QnupIyPwpLPXb2xDiNo5A7byJ4lkAb1G7ofegDsZ7SGwN9dafIlmDOvmyYyYkIJ2gepIFEtpAk13fac620zQxsZZBzEpxubHqRz+Ncdb67fW9xNLvSUzndIJ4xIrH1weM+9Eeu3yX0t2ZEkeUYdZEDIw7DaeMDt6UAdj9lt7i4GoWTA3X2MsskwAyQf9YRWTrtxAlpp+oQMLqcMyNNKn+txkbse3asQ67fHURemRfMC7NuwbNv93b0x7US65dz3kVxKIGMIwkfkr5aj/cxj9KALfixi+ro5xloEJwMc4rDrS1PXbvVlUXi2+V6NHAqH6ZArNpIYUUUUxBRRRQAUUUUAFaPh/8A5GGy/wCuy/zrOrR8P/8AIw2X/XZf50AcRr3P7VuoA9GukBHqPKSvLvD06w+I1DxaW6yMy51VWMCd8nHPavV9btJb39pbxTDarm5+zyGE5wVfyUwQexHrXEaTovhGxvnk1fxDpepxlSPJeO8i2tnrlEzWEakfbS11SWn3u/z2+RU3amvV/oXPGsGkaLr+kX9todrPDPZ72S2JFpcS5I3IOpUEcg4yQaqePbbTotD0G6XTbbStYuEd7q0tU2IE+XY20k4J+b8q6K21zw7B4i02+bWtCmsNKQrZ6bJb3Zjj5LZJ8vLHcSeazfFS+EfEly13DrumWN3I5eWfN9MZPb50OK0cl07maqK+vbs/6/4JkxeJB4n8ceFt1kluLR7S1IB3eZtKqWPA64zW1rXgDS9SvtSvNJ1w3E0GpLDdQG22Rp5jnGx9x3Y+grD0vR9C0vV7S/j8a6ZI9rOkyo1pc4YqwOP9X7VtLe6VHZaxbxeMNKQ6pcpcNILW6zEysWAH7v3rRTho33b27tX/AFJ59LLy6Ps/y0OsvfAmj3i6xo8unafphtoz/Zjop+1S7GAMkhzjaQfTqRV5fA+itoj+H7rT7S0h8rNtdOpNxcz/AGcOXU9NoY4PsK5zU/FWk6hBezJ4k0e31bUIhDd6kIbxnkUEHAUx4TJA+7itCXxZp83hNJJPEmktqKqbJdTaG6JVPKCYCbMBtvGce/WsnL3f61euv5fn0KU43X+T02/4P9MfpngbSbN9O0nUNM08WE9sDPqNwpNxNM27CwnPGNvf1qHSvA2naLb6ba32n6bcWtxK/wBu1K+UsVHmbFSLB4Y5HrzVGz8UaPBZWH2zxHo97qOmxNFZX0sV5mFT/sbNpPXk1HpfiHRbXTLO11bxJpGrPp8zT2Us8V4vkuSTkqEw3JzzVua5r+fbdX/rt2I5vdt+j3tv/XqaMPgPTvDtu8i2GnXsUt/IJrzU1LRWtuoUgAA/eO4/lUtx8PtM0K41W70rTbPUkkvEjg/tEZhtICGZmYA9flAH1rIsvEOj/YZ7LX/E2k6zayXZvEilivIxHKcZPypyOBweOKfD4o02aTVU13xVpOp2WpzLPLaNDeRKrrnbgpGDgZPHSp5tPP09P+D/AJ66U5q77enr/wAD+lrqXPw90qy1DUNV0PT7TVRJBA1pbTj/AEeNpMB3IznYMkj2rnfFekeH9B8SaHqUNja39vqEOHt4CUtxMGALAckpz04+tXk8Uac+p6hJe+K9JuNOv7dbaTT1gu40EaABVDLHkYwPr3qndX/hi/160vL/AFvRpbCxhENpp6x3qJEAcg7gmSfr1pxklJPp+mun9ffoHOrP07PfT+v+HML4v2ltYfEi8trGBLe3jiiWOKMYVBsHArh69a+I6+GfFGux6gdd0vTLqWCN5WWO7k8wFBjgoQB+vrXHf8Ix4f8A+h403/wDuf8A43SUkHOv6TOWrp/D7sPAvirDEYjtsYPTMwB/McU7/hGPD/8A0PGm/wDgHc//ABuuj0SXwno2iyaVceIbK7N6bgTXCWk21AYNsW4FMnEnzDAODzSlLTQick1ovwOX8FTRLq7QzxaGySKCX1pWMa4PRSvc5/St3xPHp3h/4g3C6f4biuUmhja1tphuhLMAS6oOWQ5O0ZHUGm6HpXgrTmlOra3pOrbseXvW9i8vHX7ic59/Suk0vxNodj4ok1q713Q711txbWkT292gtEC7V2ER5yF4z171fNG6/wAiuda/5MxtdttM074k+HjptrDZ3JSGS+tYBiOGbcflHXHy7Tj3puh63H4x+NkWoy2sVlHdecDFncsY8p+eg/lVpbHwnqfi/T7vS9c02zl88M6ILyVpmJznMicGsrQbLRPD+vR6lD4y0uV4hIAj2l0Adyle0f8AtUoyW7Xfv1HOatZduxo6X8N9H1LUtHubDWZdQsLrUDa3StbiFgV+Zgh3NkEdDx9K6O58DaZr2j3EdxYadpGo21zGYreyQh1gJI/eknljt4x71zum6lp+kaXZWlh400qKSy1D7fHP9kus78AYI8vGOKv6p4h0W6tZo9J8SaRpct1cJc3c6RXkjzuucZLJwOTwOOafPFW/y9P+D/TBzTba/J+f/A/pGzqHgTSdRtda0yTTtP0mW0J/s3ylP2l0RwpklOcYIz6ckUr+BdJma90S40zT7CBLTFjclSbu4lCBjITnGwFsdO1ZOr+J9I1K3v3g8SaPaalqaqt7qCw3jvKAQcAFMJkgfdx6U668U6RdW8kzeI9HGsS2n2N9TMV4X8vGMBCm1TjuKzcvdt/V7b/162Gqkbr17PbTT+v1NOw8DaTbtZ6PqGnadHZTWY3X8yk3NxcMhbERzgAbT17Vc8J+BdO0mbT7G706zmtLq3m+36jOMynLMgjh9DgD161z9v4n0eOzs2ufEej3WqWFsba11CWG8zEhGPubNpOO/WrvhXxLpttBbQ3XiTS9TutLhnksbiSK7BgyGYkrs2tgknnJ7VpKcbv1+9a/1+HTWFLT/gPfv/XqLa+BNO8P2sIfT9OvIZ7yUXV/qSlkt4V27VUA/fO4/lTpfh/p3h+XUZ9P06x1COS/2JLqa5hs7bBYswBHzYGPxrL0/wARaOmm/Ydd8TaTrEMd013As0V4gikPU4VPmHA4PpRB4k0qZdSh8QeKdJ1ez1C5+1PbPDeRKsgORjYg49ulSpd/y9P+D/nrpTnHX/L1/wCB/S11Z/h7pum6hqmo6Lp9nqiyCD7HBdj9xCHHzuwz90dR7VwnxQ0LTNJ1LTrvRWgNvqFqJWFsu2IOMbigP8JzxXTR+JdNkv8AVG1LxXpN5p+pxpHLYCG8iQKgwoBWPIx+vesLxMmieJL+KZvF+k2lvbxLBb20VpdFYkHQAmPJ+ppOW1v6VnoNTWt/yfl/X/DnntFdT/wjHh//AKHjTf8AwDuf/jdH/CMeH/8AoeNN/wDAO5/+N1XMhc6/pMyx/wAia/8A1/r/AOizWVXdjw3oX/CKtH/wmen7Ptqt5n2S4xnYeMbM1m/8Ix4f/wCh403/AMA7n/43RzIOdf0mctRXU/8ACMeH/wDoeNN/8A7n/wCN0f8ACMeH/wDoeNN/8A7n/wCN0cyDnX9JnLUV1P8AwjHh/wD6HjTf/AO5/wDjdH/CMeH/APoeNN/8A7n/AON0cyDnX9JnLVq6/wD6zT/+vCH/ANBrU/4Rjw//ANDxpv8A4B3P/wAbrS1rw3oTvZb/ABnp8e2yiUZtLg7hjrwnejmQc6/pM4Siup/4Rjw//wBDxpv/AIB3P/xuj/hGPD//AEPGm/8AgHc//G6OZBzr+kzlqK6n/hGPD/8A0PGm/wDgHc//ABuj/hGPD/8A0PGm/wDgHc//ABujmQc6/pM5aiup/wCEY8P/APQ8ab/4B3P/AMbo/wCEY8P/APQ8ab/4B3P/AMbo5kHOv6TMvxR/yM15/vj/ANBFZVd34h8N6FJ4gunk8Z6fExYZRrS4JHA9ErN/4Rjw/wD9Dxpv/gHc/wDxujmQc6/pM5aiup/4Rjw//wBDxpv/AIB3P/xuj/hGPD//AEPGm/8AgHc//G6OZBzr+kzlqK6n/hGPD/8A0PGm/wDgHc//ABuj/hGPD/8A0PGm/wDgHc//ABujmQc6/pMzfDH/ACGv+3af/wBFNWRXeeHvDehR6tuj8Z6fK3kTDatrcDgxNk8p261mf8Ix4f8A+h403/wDuf8A43RzIOdf0mctRXU/8Ix4f/6HjTf/AADuf/jdH/CMeH/+h403/wAA7n/43RzIOdf0mctRXU/8Ix4f/wCh403/AMA7n/43R/wjHh//AKHjTf8AwDuf/jdHMg51/SZy1a8P/Il3f/X9F/6A9aX/AAjHh/8A6HjTf/AO5/8AjdakXhzQh4UuYx4y08obyImT7LcYB2PxjZn/APVRzIOdf0mcFRXU/wDCMeH/APoeNN/8A7n/AON0f8Ix4f8A+h403/wDuf8A43RzIOdf0mctRXU/8Ix4f/6HjTf/AADuf/jdH/CMeH/+h403/wAA7n/43RzIOdf0mctRXU/8Ix4f/wCh403/AMA7n/43R/wjHh//AKHjTf8AwDuf/jdHMg51/SZl67/q9L/68I//AEJqyq7vWPDehOmnb/Genx7bJFXNpcHcMtzwlZv/AAjHh/8A6HjTf/AO5/8AjdHMg51/SZy1FdT/AMIx4f8A+h403/wDuf8A43R/wjHh/wD6HjTf/AO5/wDjdHMg51/SZy1FdT/wjHh//oeNN/8AAO5/+N0f8Ix4f/6HjTf/AADuf/jdHMg51/SZy1avib/kYJ/9yP8A9FrWp/wjHh//AKHjTf8AwDuf/jdaXiDw3oUmuTNJ4z0+JiseUa0uCR8i+iUcyDnX9JnCUV1P/CMeH/8AoeNN/wDAO5/+N0f8Ix4f/wCh403/AMA7n/43RzIOdf0mctRXU/8ACMeH/wDoeNN/8A7n/wCN0f8ACMeH/wDoeNN/8A7n/wCN0cyDnX9JnLVq+Gf+Rgg/3JP/AEW1an/CMeH/APoeNN/8A7n/AON1peH/AA3oUeuQtH4z0+VgsmEW0uAT8jeqUcyDnX9JnCUV1P8AwjHh/wD6HjTf/AO5/wDjdH/CMeH/APoeNN/8A7n/AON0cyDnX9JnLUV1P/CMeH/+h403/wAA7n/43R/wjHh//oeNN/8AAO5/+N0cyDnX9JnLUV1P/CMeH/8AoeNN/wDAO5/+N0f8Ix4f/wCh403/AMA7n/43RzIOdf0mZtn/AMihqf8A182/8pKyK7218OaEPDGoIPGWnsjXEJMgtbjCkB8DGzPP9Ky/+EY8P/8AQ8ab/wCAdz/8bo5kHOv6TOWorqf+EY8P/wDQ8ab/AOAdz/8AG6P+EY8P/wDQ8ab/AOAdz/8AG6OZBzr+kzlqK6n/AIRjw/8A9Dxpv/gHc/8Axuj/AIRjw/8A9Dxpv/gHc/8AxujmQc6/pM5ateb/AJEy0/6/pf8A0BK0v+EY8P8A/Q8ab/4B3P8A8brTl8N6EfCltGfGenhBeSkSfZbjBOxOMbM//ro5kHOv6TODorqf+EY8P/8AQ8ab/wCAdz/8bo/4Rjw//wBDxpv/AIB3P/xujmQc6/pM5aiup/4Rjw//ANDxpv8A4B3P/wAbo/4Rjw//ANDxpv8A4B3P/wAbo5kHOv6TOWorqf8AhGPD/wD0PGm/+Adz/wDG6P8AhGPD/wD0PGm/+Adz/wDG6OZBzr+kzN8T/wDIaH/XtB/6KWsiu98Q+HNCk1YNJ4y0+Jvs8I2ta3B4Ea4PCd+tZf8AwjHh/wD6HjTf/AO5/wDjdHMg51/SZy1FdT/wjHh//oeNN/8AAO5/+N0f8Ix4f/6HjTf/AADuf/jdHMg51/SZy1FdT/wjHh//AKHjTf8AwDuf/jdH/CMeH/8AoeNN/wDAO5/+N0cyDnX9JmX4X/5Gaz/3z/6Cayq7vw94b0KPxBavH4z0+Vgxwi2lwCeD6pWb/wAIx4f/AOh403/wDuf/AI3RzIOdf0mctRXU/wDCMeH/APoeNN/8A7n/AON0f8Ix4f8A+h403/wDuf8A43RzIOdf0mctRXU/8Ix4f/6HjTf/AADuf/jdH/CMeH/+h403/wAA7n/43RzIOdf0mctWroH+s1D/AK8Jv/Qa1P8AhGPD/wD0PGm/+Adz/wDG60tF8N6Ej3uzxnp8m6ylU4tLgbRjrynajmQc6/pM4Siup/4Rjw//ANDxpv8A4B3P/wAbo/4Rjw//ANDxpv8A4B3P/wAbo5kHOv6TOWorqf8AhGPD/wD0PGm/+Adz/wDG6P8AhGPD/wD0PGm/+Adz/wDG6OZBzr+kzlqK6n/hGPD/AP0PGm/+Adz/APG6P+EY8P8A/Q8ab/4B3P8A8bo5kHOv6TMs/wDImp/1/t/6LFZVd2fDehf8Iqsf/CZ6fs+2s3mfZLjGdg4xszWb/wAIx4f/AOh403/wDuf/AI3RzIOdf0mctRXU/wDCMeH/APoeNN/8A7n/AON0f8Ix4f8A+h403/wDuf8A43RzIOdf0mctRXU/8Ix4f/6HjTf/AADuf/jdH/CMeH/+h403/wAA7n/43RzIOdf0mctWv4k/4/rX/rxt/wD0WtaX/CMeH/8AoeNN/wDAO5/+N1qa/wCHNCkvLcyeMtPiIs4AA1rcHIEYweE79aOZBzr+kzgqK6n/AIRjw/8A9Dxpv/gHc/8Axuj/AIRjw/8A9Dxpv/gHc/8AxujmQc6/pM5aiup/4Rjw/wD9Dxpv/gHc/wDxuj/hGPD/AP0PGm/+Adz/APG6OZBzr+kzlq1vC3/I16b/ANfC/wA60/8AhGPD/wD0PGm/+Adz/wDG60vDvhvQo/Elg8fjPT5XWdSI1tLgFuenKYo5kHOv6TOGk/1jfU02uqfwx4f8xv8Ait9N6n/l0uf/AI3Sf8Ix4f8A+h403/wDuf8A43RzIOdf0mctRXU/8Ix4f/6HjTf/AADuf/jdH/CMeH/+h403/wAA7n/43RzIOdf0mctRXU/8Ix4f/wCh403/AMA7n/43R/wjHh//AKHjTf8AwDuf/jdHMg51/SZm+G/+P66/68bj/wBFtWRXe6B4c0KO8uDH4y0+UmznBC2twMAxnJ5Tt1rL/wCEY8P/APQ8ab/4B3P/AMbo5kHOv6TOWorqf+EY8P8A/Q8ab/4B3P8A8bo/4Rjw/wD9Dxpv/gHc/wDxujmQc6/pM5aiup/4Rjw//wBDxpv/AIB3P/xuj/hGPD//AEPGm/8AgHc//G6OZBzr+kzlq1R/yJr/APX+v/os1qf8Ix4f/wCh403/AMA7n/43WkPDehf8Iq0f/CZ6fs+2q3mfZLjGdh4xszRzIOdf0mcJRXU/8Ix4f/6HjTf/AADuf/jdH/CMeH/+h403/wAA7n/43RzIOdf0mctRXU/8Ix4f/wCh403/AMA7n/43R/wjHh//AKHjTf8AwDuf/jdHMg51/SZy1FdT/wAIx4f/AOh403/wDuf/AI3R/wAIx4f/AOh403/wDuf/AI3RzIOdf0mZev8A+s0//rwh/wDQayq7vWvDehO9lv8AGenx7bKJRm0uDuGOvCd6zf8AhGPD/wD0PGm/+Adz/wDG6OZBzr+kzlqK6n/hGPD/AP0PGm/+Adz/APG6P+EY8P8A/Q8ab/4B3P8A8bo5kHOv6TOWorqf+EY8P/8AQ8ab/wCAdz/8bo/4Rjw//wBDxpv/AIB3P/xujmQc6/pM5atXxR/yM15/vj/0EVqf8Ix4f/6HjTf/AADuf/jdaXiHw3oUniC6eTxnp8TFhlGtLgkcD0SjmQc6/pM4Siup/wCEY8P/APQ8ab/4B3P/AMbo/wCEY8P/APQ8ab/4B3P/AMbo5kHOv6TOWorqf+EY8P8A/Q8ab/4B3P8A8bo/4Rjw/wD9Dxpv/gHc/wDxujmQc6/pM5atfwx/yGj/ANe0/wD6KatL/hGPD/8A0PGm/wDgHc//AButTw94c0KPVi0fjLT5W+zzDatrcDgxtk8p260cyDnX9JnBUV1P/CMeH/8AoeNN/wDAO5/+N0f8Ix4f/wCh403/AMA7n/43RzIOdf0mctRXU/8ACMeH/wDoeNN/8A7n/wCN0f8ACMeH/wDoeNN/8A7n/wCN0cyDnX9JnLUV1P8AwjHh/wD6HjTf/AO5/wDjdH/CMeH/APoeNN/8A7n/AON0cyDnX9JmbD/yJd3/ANf0P/oElZFd7F4c0IeE7mMeMtPKG8iJk+y3GAdj8Y2Z/wD1Vl/8Ix4f/wCh403/AMA7n/43RzIOdf0mctXa/B//AJKxon/XZv8A0E1T/wCEY8P/APQ8ab/4B3P/AMbrY+GdpbWPxn0aCy1CLUYVlyLiJHRWyh4w4B4+lNSTGpJn2zRRRTKI9F/5AVj/ANe6f+givMfip/yM9v8A9eq/+hNXp2i/8gKx/wCvdP8A0EV5j8VP+Rnt/wDr1X/0JqAORh0+8uIxJBbSSITjcq5FJNY3Vum+e3kjX1ZcV6RZa9P4f+FqXtlptzqE6xvtS3CEx4Une25gNoI5xk+1QHxHP4p+GST6jZy6VPLFCXkuwoWUlVJdQhb5STxnB9qqwrnm1XLzTLix0mC/uBsSaTaqEckYzmpglvpUiXZmtNRCH/UIzj8eV6VNqviL+24N9zthgjGTHnhT616eBwXt3zy+E8DOM0eDjywT5tOhjAhhkdKWsqy1CS5vnS1izbqf9YxxxWrXFiaKo1HBO6PUweIeJoqo1ZhRTpIpImxKjISMgMMUPFJGFMiMoYZG4YyK5zsG0U8xOqq7owRvusRwa6efStI8y7s4LeZZoLTz/OaT+LaDjHpR0DrY5WpJIJYo45JI2VJRlGI4YZxx+IrXuLbT9LsLX7TZvdTXMPm+Z5pQJnoAAOa1LWDT7yz0K0vYJJHuFZFZX2iMGRuff6UAciiNI4RAWZjgAd6dNDJbzPFMhSRCVZWHINa+l2yWt9dXkmDFZZKhv4m6Afz/ACrR0XS9P1G0S61JJZZriSTJV8YwrNn9KA2OYt7eW6nSG3jaSVzhUUZJNNdGjkZJFKspwQe1dRBa2Nj4rs44IJgk4UoVnKtGSSM579Kp2dlZzalqjagsssdtG0gCv8xO4Dk/jR/wfwD/AIH4mDRXRyadpJk026cNaWt0pMkbuW24JHXGcHHpVPWrBYJoTa2fkwSkiORZjIsvuMgEde9AGZ9nl+zfaPLbyd23fjjPpTCCOoNbl/ATNY6JbkEoR5hH/PRuufpkitXX7C5bR3EsaBLGQCIrIrZQgA8A56gn8aH3BdjjcY60uDnGDmtjX+Nbj/65pW1tx42ckcfYs9P+mIo/4IHGUU6T/WN9TW1bQ6Xa6LbXd9ay3LzSFWCy7AAD1+tHS4dTDorqNO0nSH05r+7kjWKSZo41nldNoAB6qrZPPeoLSx0U6leR+etyinFsrSNGJPxAP60dbAc9U1rZ3F9cCCzheaU9EQZJrUl0pUj1Qz2r20tsqMkXmbtu4jv34puoWMen3em+UrI00KSOGPck/wCFC1YGZcW01rcNBcxtHKhwyMMEGounWunvpII/HxNzB5ymdQBv24ORzVLxNNZvq06W9kYJFkO5zMW3fhjil0Q+pT0X/kN2n/XUVrePQT41vQBk4j/9AWsnRf8AkN2n/XUVu+MLlrT4hXEyTSQFTHmSL7yjYucUxHKlSDggg+4oKlfvAj6iuo1u6kubbTL62drshmRZbhf3rsMcEc8DPHNQ69d3DaRbWuqymfUA+8lmy0SYPyk/kcUAYUtncQRxPNC6JMMxkj7w6cUyaCW2maKdGjkQ4ZWGCDVmTUJ7uO0gmYGO2GyMAdBnP9a6fVrPTL/UtXHkyJcW/wC8MxfgncARt9OetMDjdrbc4OPXFAViMgHHrivRSscc5064mLWslr+6tE+4g8vJkb3zk022WOzksbX7Qfsc8WEtI+kxOcs3twKQHngViMgE/QUBWb7oJ+grv7ZYtMgsVgumjtJZGUxQ/euWLYwfbFHlw6VatPZ3LWsBun80w/ffgYjH5n86AOACknABP0FAUk4AOfTFehzwQ2H2+6sJhYf6QvnOn3kXBOxfqQKJYIUmu7+wlFnO0MTPK33olOMtx3I/nQB55tO7GDn0xQVIOCCD6Yr0LyYLm4W/tHK3ZsyyyzcNwf8AWH3ohittRmsrpZGuLpY5Qk8/WUqDhvoCOPpQB56VK/eBH1FJXW+IHiu/Dsc0k8l1cwzmM3En8fAJUewzXJUAFFFFABRRRQAUUUUAFaPh/wD5GGy/67L/ADrOrR8P/wDIw2X/AF2X+dAHI6vfPpv7S/iu8hVWkhtZHVW6EiBK82a98BlyW0bXsk841GL/AONV6Brv/J11/wD9faf+ikry/wAOXCW/iVfMOmKkjMpk1WAywJ3yVAJ7dh3rnjSh7eT6tLX77L8/vKnrTXz/AEL/ANs8Bf8AQG17/wAGMX/xqj7Z4C/6A2vf+DGL/wCNVveN003SfEGj6jY6JY3UNxabgbaPbaXUoJG5ExnaCMFSBkg1T+IEVjHo2hTPp1ppmuSo73dtZxCJFT5dhKjox+b8q15V+NjNU03v0vuZxufAgIB0TXwT0H9oxc/+QaQ3ngMHB0bXv/BjF/8AGatweKJfFHjnwq09ukH2J7S1GG3bwhVdx474zW7rHgXRNWv9UvNK1mea4t9TWG6SSAJEPMc8o2cnHuBVqne3m7fikvz+RPKktW+n5P8Ay+Zy/wBs8Bf9AbXv/BjF/wDGq0jd+B/+EVU/2Rrnk/bT8v8AaEW7dsHOfK6Yr0G+8FaNd/2zot1Y6bppt4z/AGaIoR9qKowBllcdiD0POSKvL4N0X+xn8P32n2VpbGLNpMYgbi4l+zq5kDdgGJ69his7K116/IpQV7N/j6f5nj32zwF/0Bte/wDBjF/8ao+2eAv+gNr3/gxi/wDjVeoab4M0mwk07SdRsNMXTri2HmXk8Ie5up23fLE3VQNvXpzUWl+C9M0K30y2vLTSpbG4lcXuoX0Ikd/3mxY4e4bkcj61XIr2v5E8qtfU80+2eAv+gNr3/gxi/wDjVH2zwF/0Bte/8GMX/wAar0qLwRpvhu2eaK00ye3lv5BcXuqQiVLaBQpCqvJ3HcelS3HgLS9Cn1W90jT7C7jkvESN9TjDw2UBDMxZT3+UAd+aXKrXvp/w3+f4MfIr2v8Aj6/5HmH2zwF/0Bte/wDBjF/8ao+2eAv+gNr3/gxi/wDjVen3XgLSrS/1DV/D9hY6h5tvA1tDdRj7PCXwHlKnjZyWA7Ckl8C6NLqC65pNnY6i39mmVbOOIJbyThgN4Q8bOeh9KOVf18/8g5F3/H0/zOF1678EC8t/P0nW2b7HBgpqEQwvljA/1XXFZf2zwF/0Bte/8GMX/wAarrPjDoNjaaToeq2/2RbyWJbe7FkmyEsq/wAA9BjFeU0JJj9mu51X2zwF/wBAbXv/AAYxf/Gq3tI8M+D9c0wapbW+r29vA1yJ4ZLyNmcRW/mjawjAGTxyDXm9dNoBP/CC+K+f+Wdr/wCjxSlGy0ZEo2WjJPtngL/oDa9/4MYv/jVH2zwF/wBAbXv/AAYxf/Gqi8D3MMWsNFcvocUUi5Mus2xmjGD0XCsQTn07VveJ1tdC+Ikw0rw1bXAuYY2tIJYw8LFgD5ixjIKnJIBxjI9Krk1XmPlWuu3mQeHbvwQ3iSwFtpGuLKZl2F9QiIB9x5VUHufAomZTomv7snj+0Yv/AIzW9r0em2XxL8PnTba3tbsJC9/b2qhY45txyABwPl203QPEB8Y/G2LVLuKOzFz5wZQdyoPKfnpzRGN3p59e3+Y5QSV9djA+2eAv+gNr3/gxi/8AjVH2zwF/0Bte/wDBjF/8arqNJ+HegapqOjXenanc3tlc6ibW6jnhERJX5jswTkEdCcHnpXR3PgzSte0e5hvrTS9M1K2uo2SCwgCNFCSw2ysOCx28emD60cl7f12/zBxSe7t/w/8AkeafbPAX/QG17/wYxf8Axqj7Z4C/6A2vf+DGL/41XqGoeCtJ1G31rSrqx03SprUn+zkt4QLgRo4XzJnHUMOx5yRTn8FaTLJe6Fe2GmWFutpiwkEIN5NIEDGUuOQmW7+lTpa/z+Q1TV7X8tzy37Z4C/6A2vf+DGL/AONVqaDd+CDeXHkaTrat9jnyX1CI5Xyzkf6rriu9sPBmkWjWWj6jY6XHYT2YAupYQ93dXDIWzG3VVG3PpVzwp4K07R5tOsbmwsJbG6gm+2308YaaUlnQRwnqPlAq3Czt8vn/AF+hKSte77/I8i+2eAv+gNr3/gxi/wDjVH2zwF/0Bte/8GMX/wAar0u28Fab4ctYf9D0ye1nvJfteoalCJRDEu3aiDk7juPT0pZvAmneHpNRudMsdOuYZL/b5+qxiSKytsFjlT/FxjjnmpST1v8A1p/n+DG4W0v+Pr/keZ/bPAX/AEBte/8ABjF/8ao+2eAv+gNr3/gxi/8AjVdpJo/h7RPjJZWEGlW2o2WqeS0Szr+7iDcNhMYOcZHTFeaeJIIrbxNqENvGscUdwyoijAUZ6ClZXS73/C1/zH7Na69uvc1/tngL/oDa9/4MYv8A41R9s8Bf9AbXv/BjF/8AGq5Wiq5ULkXf8TvBd+B/+EVY/wBka55P20fL/aEW7dsPOfK6YrN+2eAv+gNr3/gxi/8AjVZQ/wCRNf8A6/1/9FmsqjlQci7/AInVfbPAX/QG17/wYxf/ABqj7Z4C/wCgNr3/AIMYv/jVcrRRyoORd/xOq+2eAv8AoDa9/wCDGL/41R9s8Bf9AbXv/BjF/wDGq5WijlQci7/idV9s8Bf9AbXv/BjF/wDGq0tau/A4ey87SNcb/Qotu3UIhhccA/uutcHWrr/+s0//AK8If/QaOVByLv8Aiav2zwF/0Bte/wDBjF/8ao+2eAv+gNr3/gxi/wDjVcrRRyoORd/xOq+2eAv+gNr3/gxi/wDjVH2zwF/0Bte/8GMX/wAarlaKOVByLv8AidV9s8Bf9AbXv/BjF/8AGqPtngL/AKA2vf8Agxi/+NVytFHKg5F3/E7zxDd+Bx4guhcaRrjSbhuKahEAeB28qs37Z4C/6A2vf+DGL/41WV4o/wCRmvP98f8AoIrKo5UHIu/4nVfbPAX/AEBte/8ABjF/8are1Dwz4P0vQ21qe31ea1lW0MNul5GrqZo3dst5ZBxsA4A615vXTa0T/wAK98Mc/wDLS8/9DSpcdVZkyjZqzJPtngL/AKA2vf8Agxi/+NUfbPAX/QG17/wYxf8Axqug+GQ07UVGn6pBoNwjM0a2k1rm+uCRwI5Nu0HJwMsKp+C2UeITpK+GbG6X7Qxu5r6FZTDEO2TwmOec8/hV8nvWuPlVr6h4duvBL6ti20jXBJ5E3LahEwx5bZ4EXpmsz7X4DwT/AGLr+B1/4mMXH/kGr+garZaD8U7+68Pr51hGLxbdWOA0flyBf0xUvgyLT9Q8I+LX1q6eztS9tI7xR73++52qCQCT7kCko3jzLtf8di3TSlyt9bGV9s8Bf9AbXv8AwYxf/GqPtngL/oDa9/4MYv8A41XbaL8O7LTtU1C6skTXEi06K6sYr2JVUmQjDSLkjCqTnmts+BdDv7qx1mztLG/njsp2ms7OIR29xcRhsBV4G0FQD2ODQ4pf16/5fiQop9fx9P8AM8u+2eAv+gNr3/gxi/8AjVH2zwF/0Bte/wDBjF/8ar1BfAei662j3c0Gn/bIriSO+ttMiEcMhCgrGAOCw7n3qE+CdL8SadaNqFtplhqUN/GLi20yERqkTc+U5HBfBHTNHKr2v/T2Hyq17v8A4a/+R5r9s8Bf9AbXv/BjF/8AGq1IrvwR/wAIpckaTrfk/bIty/2hFuLbHwc+V0612194M0vWdJ1G0vLTStLv7WZWtobKALJFDuK/vmHUtt4HWte68E6Xd6Dr+jXOn2Omx28q/wBneTGPtB2ZHmysOoIJ6+tLlVr/ANeYKCva5499s8Bf9AbXv/BjF/8AGqPtngL/AKA2vf8Agxi/+NV6ongrR/Ol0K+0/TbS0awAtJjCDeXE3lBzJv6hAxPXsMVHpvgzSbCTTtJ1Gw0xdOuLYeZeTwh7m6nbd8sTdVA29enNPl7f1v8A5fihcqtdv8fT/P8AM8v+2eAv+gNr3/gxi/8AjVH2zwF/0Bte/wDBjF/8arovDdhpP9meLNIm0i1nn063kdb6Ub3LLIFBXI+Xj0615nU2Tdl2T++/+RTp2vr1tv6f5nVfbPAX/QG17/wYxf8Axqj7Z4C/6A2vf+DGL/41XK0VXKhci7/id5rF34HCad52ka42bJNm3UIhhctgH91yazftngL/AKA2vf8Agxi/+NVla7/q9L/68I//AEJqyqOVByLv+J1X2zwF/wBAbXv/AAYxf/GqPtngL/oDa9/4MYv/AI1XK0UcqDkXf8TqvtngL/oDa9/4MYv/AI1R9s8Bf9AbXv8AwYxf/Gq5WijlQci7/idV9s8Bf9AbXv8AwYxf/Gq0vEF34HGtzC40jXGk2x5KahEB9xcceV6Vwdavib/kYJ/9yP8A9FrRyoORd/xNX7Z4C/6A2vf+DGL/AONUfbPAX/QG17/wYxf/ABquVoo5UHIu/wCJ1X2zwF/0Bte/8GMX/wAao+2eAv8AoDa9/wCDGL/41XK0UcqDkXf8TqvtngL/AKA2vf8Agxi/+NVpeH7vwOdbhFvpGuLJtkwX1CIj7jZ48r0rg61fDP8AyMEH+5J/6LajlQci7/iav2zwF/0Bte/8GMX/AMao+2eAv+gNr3/gxi/+NVytFHKg5F3/ABOq+2eAv+gNr3/gxi/+NUfbPAX/AEBte/8ABjF/8arlaKOVByLv+J1X2zwF/wBAbXv/AAYxf/GqPtngL/oDa9/4MYv/AI1XK0UcqDkXf8TvrW78Ef8ACMagV0nWxEJ4d6nUItxOHxg+V9ay/tngL/oDa9/4MYv/AI1WZZ/8ihqf/Xzb/wApKyKOVByLv+J1X2zwF/0Bte/8GMX/AMao+2eAv+gNr3/gxi/+NVytFHKg5F3/ABOq+2eAv+gNr3/gxi/+NUfbPAX/AEBte/8ABjF/8arlaKOVByLv+J1X2zwF/wBAbXv/AAYxf/Gq05bvwR/wilsTpOt+T9sl2r/aEW4NsTJz5XTpXBVrzf8AImWn/X9L/wCgJRyoORd/xNP7Z4C/6A2vf+DGL/41R9s8Bf8AQG17/wAGMX/xquVoo5UHIu/4nVfbPAX/AEBte/8ABjF/8ao+2eAv+gNr3/gxi/8AjVcrRRyoORd/xOq+2eAv+gNr3/gxi/8AjVH2zwF/0Bte/wDBjF/8arlaKOVByLv+J33iG78EDVgLjSdbZ/Ih5TUIgMeWuP8All6YrL+2eAv+gNr3/gxi/wDjVZnif/kND/r2g/8ARS1kUcqDkXf8TqvtngL/AKA2vf8Agxi/+NUfbPAX/QG17/wYxf8AxquVoo5UHIu/4nVfbPAX/QG17/wYxf8Axqj7Z4C/6A2vf+DGL/41XK0UcqDkXf8AE7zw9d+Bz4gtRb6RriybjtL6hEQOD28qs37Z4C/6A2vf+DGL/wCNVleF/wDkZrP/AHz/AOgmsqjlQci7/idV9s8Bf9AbXv8AwYxf/GqPtngL/oDa9/4MYv8A41XK0UcqDkXf8TqvtngL/oDa9/4MYv8A41R9s8Bf9AbXv/BjF/8AGq5WijlQci7/AInVfbPAX/QG17/wYxf/ABqtLRbvwOXvfJ0jXF/0KXdu1CI5XHIH7rrXB1q6B/rNQ/68Jv8A0GjlQci7/iav2zwF/wBAbXv/AAYxf/GqPtngL/oDa9/4MYv/AI1XK0UcqDkXf8TqvtngL/oDa9/4MYv/AI1R9s8Bf9AbXv8AwYxf/Gq5WijlQci7/idV9s8Bf9AbXv8AwYxf/GqPtngL/oDa9/4MYv8A41XK0UcqDkXf8TvDd+B/+EVU/wBka55P20/L/aEW7dsHOfK6YrN+2eAv+gNr3/gxi/8AjVZR/wCRNT/r/b/0WKyqOVByLv8AidV9s8Bf9AbXv/BjF/8AGqPtngL/AKA2vf8Agxi/+NVytFHKg5F3/E6r7Z4C/wCgNr3/AIMYv/jVH2zwF/0Bte/8GMX/AMarlaKOVByLv+J1X2zwF/0Bte/8GMX/AMarU1678EC8t/P0nW2b7HBgpqEQwvljA/1XXFcDWv4k/wCP61/68bf/ANFrRyoORd/xNP7Z4C/6A2vf+DGL/wCNUfbPAX/QG17/AMGMX/xquVoo5UHIu/4nVfbPAX/QG17/AMGMX/xqj7Z4C/6A2vf+DGL/AONVytFHKg5F3/E6r7Z4C/6A2vf+DGL/AONVpeHbvwQfElgLfSNcWXzl2M+oREA57jyq4Otbwt/yNem/9fC/zo5UHIu/4mq954D8xs6Nr2c/9BGL/wCNUn2zwF/0Bte/8GMX/wAarl5P9Y31NNo5UHIu/wCJ1X2zwF/0Bte/8GMX/wAao+2eAv8AoDa9/wCDGL/41XK0UcqDkXf8TqvtngL/AKA2vf8Agxi/+NUfbPAX/QG17/wYxf8AxquVoo5UHIu/4nfaDd+CDeXHkaTrat9jnyX1CI5Xyzkf6rrisv7Z4C/6A2vf+DGL/wCNVmeG/wDj+uv+vG4/9FtWRRyoORd/xOq+2eAv+gNr3/gxi/8AjVH2zwF/0Bte/wDBjF/8arlaKOVByLv+J1X2zwF/0Bte/wDBjF/8ao+2eAv+gNr3/gxi/wDjVcrRRyoORd/xOq+2eAv+gNr3/gxi/wDjVaQu/A//AAirH+yNc8n7aPl/tCLdu2HnPldMVwdao/5E1/8Ar/X/ANFmjlQci7/iav2zwF/0Bte/8GMX/wAao+2eAv8AoDa9/wCDGL/41XK0UcqDkXf8TuNLsPBmvG9tbCw1m1uYrG4uYpJr2N13RxlwCojBOcY607XbTwNoOtXGmTadrlxJbEK0qX8Sqx2g5A8o461i+Av+SieH/fUYAf8Av4KoyT+R4mlmKwvtumOLhN8Z+Y/eHcVKjedrkcvvWubH2zwF/wBAbXv/AAYxf/GqPtngL/oDa9/4MYv/AI1XReMrbTD4S03U7ez0e9kjvNlzdaLCYICuCfLYFQ24+uMVBrLWV58MpL/U9DsNJvXuVXTfssAieWMY3FscsBx8x680+XRvt/wP8zRQTa13/wCD/kV9aufBKmxM+j64QbKLYVv4gNuOB/quTWabvwGpwdF18fXUYv8A4zU/inxNLd+E/D/h9rdVjsrdJhNuyXLDpjtiuv8AFHhDR9f1KTbq00erQ6HDdrbpADEFjtlJVnzkMQueARyOaHGyb/ra4KCbtd/00v1OI+2eAv8AoDa9/wCDGL/41R9s8Bf9AbXv/BjF/wDGq9N0fwfpVomlaZqWn6YmnXVopkvJ4Q9zczvn5Ym6qBt69OabpfgvTNCt9Mtry00qWxuJXF7qF9CJHf8AebFjh7huRyPrVOFna/kTyq19TzT7Z4C/6A2vf+DGL/41R9s8Bf8AQG17/wAGMX/xqvSovBGm+G7Z5orTTJ7eW/kFxe6pCJUtoFCkKq8ncdx6VLceAtL0KfVb3SNPsLuOS8RI31OMPDZQEMzFlPf5QB35qeVWvfT/AIb/AD/Bj5Fe1/x9f8jzD7Z4C/6A2vf+DGL/AONVpeIbvwOPEF0LjSNcaTcNxTUIgDwO3lV3t14C0q0v9Q1fw/YWOoebbwNbQ3UY+zwl8B5Sp42clgOwq5rngTSpPE0uuWFla6hN/ZxlFnsAgknBA3bTxswentRyrbX+r/5ByLe/4+n+Z5J9s8Bf9AbXv/BjF/8AGqPtngL/AKA2vf8Agxi/+NV6gPAeiapdaXqccFhd3EUM4urXT4hHbzzRq21VXpgMoB7HmiLwJoniJdImu4NOjvob0xX1vpcIjjK4UiLjguM8keop8qW7/q9hcqff/g2vY8v+2eAv+gNr3/gxi/8AjVH2zwF/0Bte/wDBjF/8artfFnh3T7r4f39/c2emadrFhMj/AGbToAnlRNkbJCOGboe+MGvIKlK7sV7NWvc6r7Z4C/6A2vf+DGL/AONVqeHrvwQdWIt9J1tX8ibl9QiIx5bZ/wCWXpmuBrX8Mf8AIaP/AF7T/wDopqrlQuRd/wATT+2eAv8AoDa9/wCDGL/41R9s8Bf9AbXv/BjF/wDGq5WijlQci7/idV9s8Bf9AbXv/BjF/wDGqPtngL/oDa9/4MYv/jVcrRRyoORd/wATqvtngL/oDa9/4MYv/jVH2zwF/wBAbXv/AAYxf/Gq5WijlQci7/id9Fd+CP8AhFLkjSdb8n7ZFuX+0ItxbY+DnyunWsv7Z4C/6A2vf+DGL/41WZD/AMiXd/8AX9D/AOgSVkUcqDkXf8TqvtngL/oDa9/4MYv/AI1Wx8M306T40aM2iwXMFp5vypcyiRwdhzlgoHX2rz2u1+D/APyVjRP+uzf+gmhRsNRsfctFFFUUR6L/AMgKx/690/8AQRXmPxU/5Ge3/wCvVf8A0Jq9O0X/AJAVj/17p/6CKj1DQNK1WcTajYxXEirtDOOQPT9aAPG7PxjqVhpi2EMFrJAAR+9DHIPY84qC78S31/YmzuIreOEABFhBAUDoMelew/8ACG+Hv+gTb/kaP+EN8Pf9Am3/ACNXzySsTyo8IrO1HT3uxGkT7ELfvOe1fRH/AAhvh3/oE2/5GuU8WDw74cks3j0S2mhafZcYBztwenuK3w0q3Py0t2ceNjh3TviNkeXW9vHbQrFCuFH61MrFWDDqDkV7bp/hzwpqljHd2OnWssMgyrAfp1qz/wAIb4e/6BNv+Rrnlzcz5tzsjy8q5djxG/1G61KcTXsnmOqhAdoGABgdKW81G6v1hW6k3iFNkY2gYHpxXtv/AAhvh7/oE2/5Gj/hDfD3/QJt/wAjUlHiU+pXVzZwWs0m6G3/ANWu0DbTv7VvDPLN537yaPynO0crjGPyr2v/AIQ3w7/0Cbf8jVey8N+FNRtVubHT7WaFiQHUHBIOD+oNAHkMGu38FmLVZI3iAIAkhRyoPoWBIqGPVLuJ7V0lw1p/qTtHy85/ma9s/wCEN8Pf9Am3/I0f8Ib4e/6BNv8AkaAPFZdTll077IVVVMhkdx1c9s/Tn86LbVr20hSO3m2IhYqNoOCQQf0Jr2r/AIQ3w9/0Cbf8jVc+G/Cg1EWB0+1+1NEZRFg5KA4z+ZoA8ig1/Uba5FxFKnmqoVWaJGwB6ZHHWrtj4kmWe9urt4/tEluY4yLdMFtynkAY6A9a9Y/4Q3w7/wBAm3/I1WsvDvhPUUkeysLWZYpGicqDww6igDyCTW76W+S7kkRpEG1QYlKqPZcY/SpG167lvILi6EUwgJKR+WEQH6LivY28HeHFUs2lW4AGScGqum6D4Q1ixW80yytLm3YkLIgOCR1oA8cTULmO/a8STE7EsXwDyev86SG+uLdpjFJgzqVkyAdwPXrXt/8Awhvh7/oE2/5Gj/hDfD3/AECbf8jQB45L4i1Ge28iV4WXbtybePdj/exmmv4g1KSz+zPOuzbs3eWu/b6bsZx+Net3Xh7wlZT28N3YWkUly/lwqwOXbBOB+ANS/wDCLeFvL3/YLPZnbuzxnpjOaNw2PIl0/SioLa2ikjkfZZOKp3M7CMWiT+dbxMTGQm3Oe/PNe3f8Ib4d/wCgTb/kaP8AhDfD3/QJt/yNAHi1jrF7p0TR20ieW5yUkjWQZ9cMDilt9avLWeWWLyN8py263Rhn2BGB+FewTeHPCVvJsntLCJ/7ruAf1NSxeEvDM0YeHTbWRD0ZOQfxzR5geNxa7qEV7LdLMDLKMPvjVlI9NpGKV9e1CS/S8klSSZE2KXiVgB9CMV7DP4W8LWyhrnT7OEHgGQ7c/madH4R8NTRh4dMtZEPRl5B/HNAHjWoaze6nMkt5IjSIchkiVDn6gDNNvtXvNRjRLto22dCsSqx+pAyfxr2r/hDfD3/QJt/yNH/CG+Hv+gTb/kaAPFtF/wCQ3af9dRW54zu5bLx5dzQbN6hMb0Dj/Vr2IIr0HVPC+i2OnPc2mnQxTRshR1HI+YVoXfhvRL2Vru/sIJJWUF5HHoO/4UAeKPrl+99FdmVRLDzGFjUKv/AQMfpS6hrt9qiFbxony24ssCKxP1ABr2OPwl4Zmj8yLTbV0PRl5H86pW+leCruzu7q2trKSCzZ1uJADiMpncD9MGjyHqeMAkEEdRVxtVvHluZGmy10Nsx2j5hkH8OQK9ng8J+Gbm3jng0y2eKRQyMAcEHoaE8J+GJJGjj060Z0+8qnJX6jNAvM8d/t7UfsP2Tzx5e3Zny137fTdjOPxog17Ubaz+zRTARgEAmNSyj0DEZH4GvZv+EN8Pf9Am3/ACNH/CG+Hv8AoE2/5GgDxiz1y/sLcw20qhMkjdGrFfoSMj8KSz1u/sN/kSqQ7bmEkavz6jcDg17R/wAIb4e/6BNv+Ro/4Q3w9/0Cbf8AI0AeL22t39rPLNHMGeY5fzEVwx9cMCM+9EetX8V9JdibdLIMPvQMrD02kY/SvaP+EN8Pf9Am3/I0f8Ib4e/6BNv+RoA8XOtX51D7aZ/32Nv3Btx6bcYx7Yom1q/nvI7p5sSRDCbECqo9NoGK9o/4Q3w9/wBAm3/I0f8ACG+Hv+gTb/kaAPFL/VrzUtgu5FKp91URUUe+FAGap17v/wAIb4e/6BNv+Ro/4Q3w9/0Cbf8AI0AeEUV7v/whvh7/AKBNv+Ro/wCEN8Pf9Am3/I0AeEUV7v8A8Ib4e/6BNv8AkaP+EN8Pf9Am3/I0AeEUV7v/AMIb4e/6BNv+Ro/4Q3w9/wBAm3/I0AeEVo+H/wDkYbL/AK7L/OvZv+EN8Pf9Am3/ACNU9U8M6Np9mLmy06GGZJo9rqORlwKAPnXWrOW//aW8VW9sB9oa2k8ok42t5KYIPY+9cNo1l4N0zUHm1PWrHVkKlfIubK7RVOeuUKnP49672+untv2rNb8rG+bMSseQu6FOcd68nlvvDnnPnRbwnccn7eP/AI3XnKvVWKqU0rq0XpbrdPd+WnzHiFOFGEkm7t7W6W7tHeW3ijw9beJrDU/7Y0qS101Clnpsmm3Jhh5Jz13E7iTyTWd4puvB3iWY3Eeqafp107l5Z4bW9kaTPr5jMPyrkft3hv8A6At5/wCB4/8AjdH27w3/ANAW8/8AA8f/ABut3Um94y/8l/zOJVqi2hL/AMl/zNXTNP8ADml6taX8XjCB5LWZJlVtNnwSpBAPHtWwuqaMllq9vH4stU/tW4S4kcadcZjZWJG38+9cl9u8N/8AQFvP/A8f/G6Pt3hv/oC3n/geP/jdP2tT+WX/AJL/AJ+Qva1P5Jf+S/5noep+MtH1Gyu8eINPt9Svoliu9TSwujNMoIOMElVyQD8oHStCTxlpsng1N/iGxa+ANkNUawuTIE8sLgLnaDs4zj9ea8s+3eG/+gLef+B4/wDjdaRvNA/4RVW/si78r7aw2fbRndsHOdnp2pOpNq3JL/yX/Maq1F9iX/kv+fkjsbHxhotpp1pHPr+n3l/YRNFZ6hPYXRkgU+i52HvyQTUWkeKdD0/TLa01DX7DVnspWmspruxu91u5JOQFIDcnPzA1wP27w3/0Bbz/AMDx/wDG6Pt3hv8A6At5/wCB4/8AjdP2tS9+WX/kv+YvaVLW5Jf+S/5ne6b4p0S3tJ7XWfENjrdvLdG7WK7sbpVjlOMsNhGeg4ORxTrbxdpRuNTOs+JrLVrXU5RNNaT2F0kYcdCNhU8ZPGcc1wH27w3/ANAW8/8AA8f/ABuj7d4b/wCgLef+B4/+N0vaT/kl/wCS+Xn5L7g9rU/kl/5L/md/F4u0o6xf3N74nsruyvoVt5dObT7pIvLUYRQVIYYwO/PfNC+LtKj8QLfQ+J7KKzW1+xjTU0+5EPk5zsz97r3zn3rgPt3hv/oC3n/geP8A43R9u8N/9AW8/wDA8f8Axuj2k/5Jf+S/5+bH7ar/ACS/8l/z8kdx47uNB1yTTbU+JLXTbGztI/s9nDYXDKgZQc5OSc+5Jrkv7B8Mf9DlF/4LZ/8ACrOv3mgLeW/naRdufscBBW9C4HljA+56d6y/t3hv/oC3n/geP/jdLnmvsS/8l/zD21V/Yl/5L/mW/wCwfDH/AEOUX/gtn/wrpNE1DwjouivpUmuJdi7Nz51wLCQBA0GyPIIy2H+Yeh5rkPt3hv8A6At5/wCB4/8AjdH27w3/ANAW8/8AA8f/ABuhzm94S/8AJf8AMl1JtWcJf+S/5nR6DD4I0lpTqOp6drG/Gz7TZXieXjPTy2XOffPSug0rxhoeneJp9auNb0u+ka3+zQRTaddBbWMDaAm0ggheAc5981559u8N/wDQFvP/AAPH/wAbo+3eG/8AoC3n/geP/jdV7Wp/LL/yX/MftKn8kv8AyX/M7VV8Iav4u06507VLHT5RMC0dva3b+c2epMjNzWRocXh7w/rqalb+LreSSIOAkmmz4O5Sp6f71U/Dt5oDeJLBYNIu45DMu12vQwB+mzms977w35jZ0W86n/l/H/xukqk1tGX/AJL/AJjdaq94S/8AJf8AM6yw1fStL0qzs7HxjbQtZ3/2+KcabPuD4Ax6Y4rQ1fxVod/ZvBpuv6fpLTzrcXU1tYXTPcSL0LFycdTwMDmuB+3eG/8AoC3n/geP/jdH27w3/wBAW8/8Dx/8bp+1qfyy/wDJfLz8kL2tT+SX/kvn5+bPQtX8X6NqljeLH4g0+zvtQCre6hFYXRluACDzuJC5IB+UCluvGOjXNhJnX9PXVJbX7JJqv2C6MzR4xgAnYOOMgA1559u8N/8AQFvP/A8f/G6Pt3hv/oC3n/geP/jdTzztbkl/5L/mNVqq+xL/AMl/zPQrXxhosGnWyTa/p9zqNnbm2tdSlsLoywxkYwFzszjjJGaveEvFelWVvDbS+ILLUrnTYZ5LK6nsbkPbZVmJAztbkk/MCe1eX/bvDf8A0Bbz/wADx/8AG61NAvNAa8uPJ0i7Q/Y5yS16GyPLOR9z0703UqO94y/8l/zF7WovsS/8l/zOq0vxVolrp5s9W8Q2OsxLcm6gF3Y3Y8mU9WGwjPQcHI4os/FejhtRXXPEllrNtqFx9pktrmwukRZM5DDYVP4dPauB+3eG/wDoC3n/AIHj/wCN0fbvDf8A0Bbz/wADx/8AG6PaT/kl/wCS+Xn5L7g9rU/kl/5L/n5s72x8SeHIPF8niLUNZ03UrsMht1msLtEttvAChCM8Y65rF8Sp4R8Qas99BrtjpjSEmSO3sbpldj3+ck/lXOfbvDf/AEBbz/wPH/xuj7d4b/6At5/4Hj/43S556e5LT/D/AJj9tV19yWv+H/Mt/wBg+GP+hyi/8Fs/+FH9g+GP+hyi/wDBbP8A4VU+3eG/+gLef+B4/wDjdH27w3/0Bbz/AMDx/wDG6ftJ/wAsv/Jf8xe1qfyS/wDJf8zdGh+HP+EVZP8AhLovL+2qfM/s+brsPGMVm/2D4Y/6HKL/AMFs/wDhU4vNA/4RVm/si78r7ao2fbRndsPOdnp2rN+3eG/+gLef+B4/+N0e0n/LL/yX/MPa1P5Jf+S/5lv+wfDH/Q5Rf+C2f/Cj+wfDH/Q5Rf8Agtn/AMKqfbvDf/QFvP8AwPH/AMbo+3eG/wDoC3n/AIHj/wCN0e0n/LL/AMl/zD2tT+SX/kv+Zb/sHwx/0OUX/gtn/wAKP7B8Mf8AQ5Rf+C2f/Cqn27w3/wBAW8/8Dx/8bo+3eG/+gLef+B4/+N0e0n/LL/yX/MPa1P5Jf+S/5lv+wfDH/Q5Rf+C2f/CtLWtD8OO9j5ni6KPFlEB/xL5juGOD0rC+3eG/+gLef+B4/wDjdaWtXmgK9l52kXb5soiuL0DC44H3OfrR7Sf8sv8AyX/MPa1P5Jf+S/5kH9g+GP8Aocov/BbP/hR/YPhj/ocov/BbP/hVT7d4b/6At5/4Hj/43R9u8N/9AW8/8Dx/8bo9pP8All/5L/mHtan8kv8AyX/Mt/2D4Y/6HKL/AMFs/wDhR/YPhj/ocov/AAWz/wCFVPt3hv8A6At5/wCB4/8AjdH27w3/ANAW8/8AA8f/ABuj2k/5Zf8Akv8AmHtan8kv/Jf8y3/YPhj/AKHKL/wWz/4Uf2D4Y/6HKL/wWz/4VU+3eG/+gLef+B4/+N0fbvDf/QFvP/A8f/G6PaT/AJZf+S/5h7Wp/JL/AMl/zN3xFofhx/EF20vi6KJywyn9nzHHA7gVm/2D4Y/6HKL/AMFs/wDhU/iG80BfEF0J9Iu5JAw3Mt6FB4HbZWb9u8N/9AW8/wDA8f8Axuj2k/5Zf+S/5h7Wp/JL/wAl/wAy3/YPhj/ocov/AAWz/wCFdJqeoeEdT8Nroi64lv8AZRaeTdGwkIcpG6y4AGV3Myk+uPauQ+3eG/8AoC3n/geP/jdQ6vZ2iWVlf6fHJBDd+YohkfeUKEDO7AznPpQptySkmu23r0uCqOUlGakr7X5d9+jfY7jQ9R8HaDaQtaX+lvqkBLRam9leGRHzkNt3bMjjHy9q0NF8U+GNL8P3mlXmo6XqIvpvNubiayvI5Jf9ksjL8vJ46V5FRXQ031/I6uVrr+R6Jp2m+FbnxLLcWHiG2tkeGbbaw2NwVQGNs4L5PA55NVLFPD9hoeo6ZH4utmi1AxF3bTZ9y7CSMfnXO+GP+Q0f+vaf/wBFNWRQotK1x2d73/L/ACPWbbxZpVvqUVyfFFnJANPTT57U6fcqk8S4+8Rgg5AOQRTv+Ev0qDWrK703xNY2FnZQtbxafDp9z5XltnepJ+Y53HnOeeDXklFNpt3b/Lz/AM394uVrr+Xl/kj1m48V6Ql5psmieJbHR7fTpGlitrbT7llZ2xuZi5LHIA70mpeJ9DuFgTRvENhoqRXYvXFrYXTmWYHIZi5Y/h0ryeilZrqHK+/5f5ebPWdZ8UaFqVjcQ2Wvafpk15Ist5c29hdtJcsvTJcnHfhcDmtS/wDF2mal4S1J08QWVve3skUN7qUdjcmSYYY4KsSFyRn5QOleJVrw/wDIl3f/AF/Rf+gPS5dLXHaSd7/l/kekP4z0eTTwH8Qae2qC0+xjVTYXRmEW3bgLnYPl4yFz360lj4w0W0060jn1/T7y/sImis9QnsLoyQKfRc7D35IJryGim4t31/rX/N/eLlaVr/l/l5I9Z8NeIfCXh3Tru3e+0rUJr1Gjubm4s70PKpbdghWAH1AzXJXmj+FLi8llg8VW9rG7ZWGPT7gqg9ATk/ma5Oihxbd7jtLu/wAP8jpv7B8Mf9DlF/4LZ/8ACj+wfDH/AEOUX/gtn/wrmaKOV9xcr7/l/kdxrOh+HGTTvM8XRJtskC/8S+Y7hluenFZv9g+GP+hyi/8ABbP/AIVna7/q9L/68I//AEJqyqOV9w5X3/L/ACOm/sHwx/0OUX/gtn/wo/sHwx/0OUX/AILZ/wDCuZoo5X3Dlff8v8jpv7B8Mf8AQ5Rf+C2f/Cj+wfDH/Q5Rf+C2f/CuZoo5X3Dlff8AL/I6b+wfDH/Q5Rf+C2f/AArS8Q6H4cfXJml8XRRNtjyv9nzHHyL3Arh61fE3/IwT/wC5H/6LWjlfcOV9/wAv8jR/sHwx/wBDlF/4LZ/8KP7B8Mf9DlF/4LZ/8K5mijlfcOV9/wAv8jpv7B8Mf9DlF/4LZ/8ACj+wfDH/AEOUX/gtn/wrmaKOV9w5X3/L/I6b+wfDH/Q5Rf8Agtn/AMK0vD2h+HE1yFovF0UrbZML/Z8wz8jdyK4etXwz/wAjBB/uSf8AotqOV9w5X3/L/I0f7B8Mf9DlF/4LZ/8ACj+wfDH/AEOUX/gtn/wrmaKOV9w5X3/L/I6b+wfDH/Q5Rf8Agtn/AMKP7B8Mf9DlF/4LZ/8ACuZoo5X3Dlff8v8AI6b+wfDH/Q5Rf+C2f/Cj+wfDH/Q5Rf8Agtn/AMK5mijlfcOV9/y/yO6tdD8ODwvqCDxdGUNxCWf+z5vlOHwMY78/lWX/AGD4Y/6HKL/wWz/4VQs/+RQ1P/r5t/5SVkUcr7hyvv8Al/kdN/YPhj/ocov/AAWz/wCFH9g+GP8Aocov/BbP/hXM0Ucr7hyvv+X+R039g+GP+hyi/wDBbP8A4Uf2D4Y/6HKL/wAFs/8AhXM0Ucr7hyvv+X+R039g+GP+hyi/8Fs/+Fakuh+HD4TtkPi6MRi8lIk/s+bk7E4xj/Oa4Wteb/kTLT/r+l/9ASjlfcOV9/y/yL/9g+GP+hyi/wDBbP8A4Uf2D4Y/6HKL/wAFs/8AhXM0Ucr7hyvv+X+R039g+GP+hyi/8Fs/+FH9g+GP+hyi/wDBbP8A4VzNFHK+4cr7/l/kdN/YPhj/AKHKL/wWz/4Uf2D4Y/6HKL/wWz/4VzNFHK+4cr7/AJf5HdeItD8OPqwMvi6OJvs8I2/2fMePKXB4Hcc1l/2D4Y/6HKL/AMFs/wDhVDxP/wAhof8AXtB/6KWsijlfcOV9/wAv8jpv7B8Mf9DlF/4LZ/8ACj+wfDH/AEOUX/gtn/wrmaKOV9w5X3/L/I6b+wfDH/Q5Rf8Agtn/AMKP7B8Mf9DlF/4LZ/8ACuZoo5X3Dlff8v8AI7jw7ofhxPEFo0Xi6KVwxwn9nzDPB7kVm/2D4Y/6HKL/AMFs/wDhWd4X/wCRms/98/8AoJrKo5X3Dlff8v8AI6b+wfDH/Q5Rf+C2f/Cj+wfDH/Q5Rf8Agtn/AMK5mijlfcOV9/y/yOm/sHwx/wBDlF/4LZ/8KP7B8Mf9DlF/4LZ/8K5mijlfcOV9/wAv8jpv7B8Mf9DlF/4LZ/8ACtLRdD8OI995fi6KTNlKD/xL5htGOT0rh61dA/1mof8AXhN/6DRyvuHK+/5f5Gj/AGD4Y/6HKL/wWz/4Uf2D4Y/6HKL/AMFs/wDhXM0Ucr7hyvv+X+R039g+GP8Aocov/BbP/hR/YPhj/ocov/BbP/hXM0Ucr7hyvv8Al/kdN/YPhj/ocov/AAWz/wCFH9g+GP8Aocov/BbP/hXM0Ucr7hyvv+X+R3B0Pw5/wiqp/wAJdF5f21j5n9nzddg4xis3+wfDH/Q5Rf8Agtn/AMKzj/yJqf8AX+3/AKLFZVHK+4cr7/l/kdN/YPhj/ocov/BbP/hR/YPhj/ocov8AwWz/AOFczRRyvuHK+/5f5HTf2D4Y/wChyi/8Fs/+FH9g+GP+hyi/8Fs/+FczRRyvuHK+/wCX+R039g+GP+hyi/8ABbP/AIVqa/ofhx7y3Mvi6OMizgAH9nzHI8sYPA71wta/iT/j+tf+vG3/APRa0cr7hyvv+X+Rf/sHwx/0OUX/AILZ/wDCj+wfDH/Q5Rf+C2f/AArmaKOV9w5X3/L/ACOm/sHwx/0OUX/gtn/wo/sHwx/0OUX/AILZ/wDCuZoo5X3Dlff8v8jpv7B8Mf8AQ5Rf+C2f/CtPw5ofhxPElg0Xi6KVxOpVP7PmG456ZIrhq1vC3/I16b/18L/OjlfcOV9/y/yNJ9B8M+Y3/FZRdT/zDZ/8Kb/YPhj/AKHKL/wWz/4Vzcn+sb6mm0cr7hyvv+X+R039g+GP+hyi/wDBbP8A4Uf2D4Y/6HKL/wAFs/8AhXM0Ucr7hyvv+X+R039g+GP+hyi/8Fs/+FH9g+GP+hyi/wDBbP8A4VzNFHK+4cr7/l/kd1oGh+HEvLgxeLo5CbOcEf2fMMDyzk8jtWX/AGD4Y/6HKL/wWz/4VQ8N/wDH9df9eNx/6LasijlfcOV9/wAv8jpv7B8Mf9DlF/4LZ/8ACj+wfDH/AEOUX/gtn/wrmaKOV9w5X3/L/I6b+wfDH/Q5Rf8Agtn/AMKP7B8Mf9DlF/4LZ/8ACuZoo5X3Dlff8v8AI6b+wfDH/Q5Rf+C2f/CtIaH4c/4RVk/4S6Ly/tqnzP7Pm67DxjFcPWqP+RNf/r/X/wBFmjlfcOV9/wAv8jR/sHwx/wBDlF/4LZ/8KP7B8Mf9DlF/4LZ/8K5mijlfcOV9/wAv8juNETwx4euLq/XxMl7OLKeO3jSwlRhK0ZCMGIwpDEHParGoL4Mv/F0msHXLZrWWQSGwlsJwp+UAqSmD19DXn9FJRs73F7PW9z1C+1fwrPHaWlhq2m6fpsFwLiSxhsLtkncd2Lkt04wDVnxZ4h8H+LI3a5utKtbrYEjuIbS+/dKOgVC5UD8K8moocW1a5STTun+X+R3OtaJ4caSxMni6KPbZRBf+JfMdwxwelbC+IdHXW59THiiy8ybTv7PKf2bcbQnk+Vu+uBn61wev/wCs0/8A68If/Qayqdna1xcrTvf8vXt5Hrtj4w0S006zjm17T7u+sImis9QmsLoyW6nsFB2H6kE1HpHinQ9P0y2tNQ1+w1Z7KVprKa7sbvdbuSTkBSA3Jz8wNeTUUWd73DldrX/L/I9Y03xTolvaT2us+IbHW7eW6N2sV3Y3SrHKcZYbCM9BwcjinW3i7SjcamdZ8TWWrWupyiaa0nsLpIw46EbCp4yeM45ryWiiz7/l5f5L7g5X3f4HrUXi7SjrF/c3vieyu7K+hW3l05tPuki8tRhFBUhhjA78981e1fxVp9v43lvD4ntYreO3+xnTfsFx5fk8HZuXn8c5968XrV8Uf8jNef74/wDQRS5fP8v66jtLu/w/roj0Q+LNJg1bTrnSPEtjplpp6NHDY2+n3JjKuCHBLZY5yec5GeMUt14s0cXGntoXiSx0WKxuDdJDa6fcsHlOMsxcknoOM44ryWinZ3vcXK+/5f5HqXiHXvDutaVJp9nrun6VBcTi4uvs9hdO1xIAQCxck9zwOK5P+wfDH/Q5Rf8Agtn/AMK5miko22Y7SfX8v8jpv7B8Mf8AQ5Rf+C2f/CtTw7ofhxNWJi8XRyt9nmG3+z5hx5TZPI7DmuFrX8Mf8ho/9e0//opqfK+4uV9/y/yL/wDYPhj/AKHKL/wWz/4Uf2D4Y/6HKL/wWz/4VzNFHK+4cr7/AJf5HTf2D4Y/6HKL/wAFs/8AhR/YPhj/AKHKL/wWz/4VzNFHK+4cr7/l/kdN/YPhj/ocov8AwWz/AOFH9g+GP+hyi/8ABbP/AIVzNFHK+4cr7/l/kd1FofhweE7pB4ujMZvIiZP7Pm4Ox+MY/wA4rL/sHwx/0OUX/gtn/wAKoQ/8iXd/9f0P/oElZFHK+4cr7/l/kdN/YPhj/ocov/BbP/hW18Mba0tPjNo0Wn3wv4BLkTrE0e47DkbW54rz+u1+D/8AyVjRP+uzf+gmmk11Gk11PuWiiimUR6L/AMgKx/690/8AQRV2qWi/8gKx/wCvdP8A0EVcLKOpA+poAWim+Yn95fzo8xP7y/nQBh+Lr7VtO0drnR7VLkJ/rlJO8L6jHWvIdU8R/wBtQmW8KxQxrzHnge9e9F0IwWUj615n4w+FUOu61bT6ZcJZ2s0ubxAegxnKj3PbtnPtXrYDFUqN1Na9GfO5xl1bFpOnJ20ujB+Eeo65deIJ49Lhzoob9+8xIUH/AGf9r/62a9sJwMngVQ0jS9P0LS4bDTI0hgiGAAeSfUnuauOY3RkZlKsMEZ7Vw4mt7ao52PXweG+rUVTbuMtry2vYzJZ3EVwisVLROGAIOCMjvRBeW100i2txFMYm2SCNw2xvQ46Gqmj6PpegWbWukW8drC0jSsisTlmOSeSepJpNL0bStFe6bTLeO3a7lM05Vid7nucmuf8Ar5nWW0vLaaaa3huIpJoR+8jRwWTPTI6ivKtD1DX9C8NaZqMepxGyl1J7cacIVPmK0zZO8jdu9hx0r0qz0XStP1O81Czt44ru9INxKHJMmOBnJ/lWbY+BvC+m6mt/Z6eiXCuZFYzuyqxOSQpYqDn2ojo9fIb1i1/Wz/zOMbxT461bxBeSaBYXMllaXptvKAtREyq2CWLsJAcZPA7VPr2v+LEk8VXljqsNpbaEFeO3+zI5kPkq7IzEcDJPI5rsLrwb4cvNX/tOezH2wsGMkdxIgJHcqrAE/hVybQtIuItQjmto3TUuLsFj+++ULzz/AHQBxRHRL+u3/BHdczvsczJres694li0XTNTTRzHYR3ckywJK8pfPCq4xgY5PuKraxZ60/xAsrfT9XWC6TRX869a3VmbEi8hMbeT+Wa6fVPCfh/WlgGo2SSG3XZEyTPGyr6blYEjjvVu30fS7WaGWCFVkgt/s0bmQsRFnO3JPPQcnmjp9/6/1Ylab+X6HL2Pi2/k+GMWqXAW41SYvbxKgC+bIHZF47ZxWbr02reDNH0TR9CvVheVJDPPLGJGYrGXJ5zySuPxrrh4X0qObTjb7oYNPd5IrZH/AHZdjncc8kg8jnvV3UNI0zVZYpNQgjneEMIyzEbdwIPQ+hNEtbtdQ2/r+uhxPg3VvEfiGzubfUNYVZ5rSK4imjtY/wBzuAyNpGG/GmaZrOo6d8GbrULN7eO+t9wjeO3SNN24DOxRjv6V1reFNANk9oLNFhkjWJlSZ1JRegyGzxisLVfh3o9t4Q1TTfDFklvLexhCrXUhU/MD/Exx36Ufafb/AIP+RULXV+4afqXiPT/Fa6TqOpRaq91YPcoghWPyJAeF+UDK54yeaZ4S1vVz4gbTvFWpXUeoSqzxadNZxqm0H7yyxghvoTn1Fb2j+EtB0OGZdPtFia4j2Ss07uzDHTczEgfSk0zwd4f0e7kutMtfJuXUr5rXDyMoPXG9jj8Kez/rzM1dx+79DKb/AInXinUtTbd9l0e3kt4MH5XkIy7fVduP+BVw7aFdQ+BZG8onSQ51FZC44k3klcZzwRuz716vpGi2Oj6INMikaaIgiR5XBeUnqWIxyalOkaWdG/sowRmx2bPJ3HG30znNJafh/n+epT1/r+un5s80/wCEq8c6rq10fDdjczWtjOLcRILXynwASXLsJB17DtxUeseMPFw8RSW1nqUNpD9ta1WP7OjlcQtJnJHUFcV3134K8N3upC/nsR9pGPnjuJI846ZCsAfxFWJfDGgzXRuJbKJpjKZi5c/fKlSev90kfjR/X5f8H0H1/rs/1scNr+j6X4g8N+HdW1rSrC71C41G3imuJLVC0i+YQQeOhx06VtXzXVv4jtfCfhae38PW6WrXPmQ2yNnBUbVQjbj5sk+1dO2j6W1lbWjQRmC1lWWFNxwjg5B6+pqDW/DeieIliGsWqzmI5RhK0bL/AMCUg49qbtfTa7/L/PUS2V97Hl/iDU59cXw2NY0iLxHJb6jcwPBGse252KRuw5C545HrUmk+IrzRfhxE/hyJln1DVWghtIwgaxBH+rAkwgIx0JxzXp8OgaNAtiIbSFBYEm2wx/dkjBPXkkeuahl8KeH5re9gksYTFfS+dcKHYb3/AL3B+U+4xS2Vv63X5/gPdp9v+D+V16nHf8JF410jwbqt3rtrLDNDJEtrPcLAZWVmUMdkRKkrk4HU4FXfAOqeINW1q9kvdVur/SY4kET3WmCzZpTncMFVbAG3nGOal8TeCIh4MuNM8JxrG8k8Urwy3TnzVVwWXe5JXIBGRUXgrw1faX4inv5LBdFs2t1i+xjUGu/McEneWY8dRwB2pxer/rp/XncmXwr+up12v/8AIEn+qf8AoYqTUdMt9W037JeeYYW2llSQruxzg46g9COhFQ686nRZgGBOU7/7YqTUtNsdY002Wpp5kD4LIJWQ8cjlSDUtXViloznfhdDHB4GhihRUjSaQKqjAAzVvV9EstF8E+IV06Ixi5gubiXLE7ndWYnn3NWdA8JaB4YaQ6FaC18wYYfaHcH8GYgVrXMVveWkttchZIZkMciE/eUjBH5US1VvKwRdpX6Xuef8Ahy91/TtW8OWGoanHdWWqWLN9nWBU+z7EXG1wNxznvVrwzpNpo/xO1mCyRgGs4Wd3Yu8h9WY8k+5rrP7H0vz7ObyI/MsozHbtuP7tSACBz6AVkWnw+8KWGqrqVrYFLxTkS/a5SfxBfBqr+8n6/jf/ADJfwtLy/A6iim+Yn95fzo8xP7y/nSGOopvmJ/eX86PMT+8v50AOopvmJ/eX86PMT+8v50AOopvmJ/eX86PMT+8v50AOopvmJ/eX86PMT+8v50AOopvmJ/eX86PMT+8v50AOopvmJ/eX86PMT+8v50AOopvmJ/eX86PMT+8v50AOrM8Qf8gg/wDXaL/0YtaPmJ/eX86zfEDqdJIDAnzou/8A00WgD5j1Hy/+GsNV83d/rRt2+vlJjPtXh83+vk/3j/Ovc722kuf2sNXEWP3b+Y2T2ESZrwyb/Xyf7x/nXnUmvr1X/DD85HZUa+rU15y/QZRRRXonGFFFFABWqf8AkTU/6/2/9FisqtU/8ian/X+3/osUAZVFFFABRRRQAUUUUAa/iT/j+tf+vG3/APRa1kVr+JP+P61/68bf/wBFrWRQAUUUUAFFFFAGr4W/5GrTf+vhf51mSf6xvqa0/C3/ACNWm/8AXwv86zJP9Y31NADaKKKACiiigArX8N/8f11/143H/otqyK1/Df8Ax/XX/Xjcf+i2oAyKKKKACiiigAooooA1R/yJr/8AX+v/AKLNZVao/wCRNf8A6/1/9FmsqgAooooAKKKKACtXX/8AWaf/ANeEP/oNZVauv/6zT/8Arwh/9BoAyqKKKACiiigAooooA1fFH/IzXn++P/QRWVWr4o/5Ga8/3x/6CKyqACtnUv8AkU9E/wB+4/8AQlrGrfjk0m+8P2Freai9pNavKSotjIGDEEcgj0rnrOzhK2z7X6PscuIfLKErOyfRN/Za6GBRWz/Zug/9B+T/AMAW/wDiqP7N0H/oPyf+ALf/ABVP28Oz/wDAZf5D+s0+0v8AwGX+Q3wx/wAho/8AXtP/AOimrIrrfD1hoyasTDrbyN9nmG02bLx5TZOd3Yc1l/2boP8A0H5P/AFv/iqPrEOz/wDAZf5B9Zp9pf8AgMv8jGorZ/s3Qf8AoPyf+ALf/FUf2boP/Qfk/wDAFv8A4qj28Oz/APAZf5B9Zp9pf+Ay/wAjGorZ/s3Qf+g/J/4At/8AFUf2boP/AEH5P/AFv/iqPbw7P/wGX+QfWafaX/gMv8jGrXh/5Eu7/wCv6L/0B6d/Zug/9B+T/wAAW/8Aiq1IrDRv+ETuVGtuYzeREyfY24Ox8DG768+1H1iHZ/8AgMv8g+s0+0v/AAGX+RyVFbP9m6D/ANB+T/wBb/4qj+zdB/6D8n/gC3/xVHt4dn/4DL/IPrNPtL/wGX+RjUVs/wBm6D/0H5P/AABb/wCKo/s3Qf8AoPyf+ALf/FUe3h2f/gMv8g+s0+0v/AZf5GNRWz/Zug/9B+T/AMAW/wDiqP7N0H/oPyf+ALf/ABVHt4dn/wCAy/yD6zT7S/8AAZf5Eeu/6vS/+vCP/wBCasqus1iw0Vk07zNbdMWSBf8AQmO4Zbn73H0rM/s3Qf8AoPyf+ALf/FUfWIdn/wCAy/yD6zT7S/8AAZf5GNRWz/Zug/8AQfk/8AW/+Ko/s3Qf+g/J/wCALf8AxVHt4dn/AOAy/wAg+s0+0v8AwGX+RjUVs/2boP8A0H5P/AFv/iqP7N0H/oPyf+ALf/FUe3h2f/gMv8g+s0+0v/AZf5GNWr4m/wCRgn/3I/8A0WtSf2boP/Qfk/8AAFv/AIqtPxDYaK+uTNNrbxvtjyosmbHyL33Ue3h2f/gMv8g+s0+0v/AZf5HJ0Vs/2boP/Qfk/wDAFv8A4qj+zdB/6D8n/gC3/wAVR7eHZ/8AgMv8g+s0+0v/AAGX+RjUVs/2boP/AEH5P/AFv/iqP7N0H/oPyf8AgC3/AMVR7eHZ/wDgMv8AIPrNPtL/AMBl/kY1avhn/kYIP9yT/wBFtUn9m6D/ANB+T/wBb/4qtPw9YaKmuQtDrbyPtkwpsmXPyN33UfWIdn/4DL/IPrNPtL/wGX+RydFbP9m6D/0H5P8AwBb/AOKo/s3Qf+g/J/4At/8AFUe3h2f/AIDL/IPrNPtL/wABl/kY1FbP9m6D/wBB+T/wBb/4qj+zdB/6D8n/AIAt/wDFUe3h2f8A4DL/ACD6zT7S/wDAZf5GNRWz/Zug/wDQfk/8AW/+Ko/s3Qf+g/J/4At/8VR7eHZ/+Ay/yD6zT7S/8Bl/kNs/+RQ1P/r5t/5SVkV1trYaMPC+oKutuYzcQln+xt8pw+Bjdznn8qy/7N0H/oPyf+ALf/FUe3h2f/gMv8g+s0+0v/AZf5GNRWz/AGboP/Qfk/8AAFv/AIqj+zdB/wCg/J/4At/8VR7eHZ/+Ay/yD6zT7S/8Bl/kY1FbP9m6D/0H5P8AwBb/AOKo/s3Qf+g/J/4At/8AFUe3h2f/AIDL/IPrNPtL/wABl/kY1a83/ImWn/X9L/6AlO/s3Qf+g/J/4At/8VWpLYaL/wAInbKdbcRi8lIk+xNydiZGN30596Pbw7P/AMBl/kH1mn2l/wCAy/yOSorZ/s3Qf+g/J/4At/8AFUf2boP/AEH5P/AFv/iqPbw7P/wGX+QfWafaX/gMv8jGorZ/s3Qf+g/J/wCALf8AxVH9m6D/ANB+T/wBb/4qj28Oz/8AAZf5B9Zp9pf+Ay/yMaitn+zdB/6D8n/gC3/xVH9m6D/0H5P/AABb/wCKo9vDs/8AwGX+QfWafaX/AIDL/Ib4n/5DQ/69oP8A0UtZFdb4hsNGfVgZtbeNvs8I2izZuPKXBzu7jmsv+zdB/wCg/J/4At/8VR7eHZ/+Ay/yD6zT7S/8Bl/kY1FbP9m6D/0H5P8AwBb/AOKo/s3Qf+g/J/4At/8AFUe3h2f/AIDL/IPrNPtL/wABl/kY1FbP9m6D/wBB+T/wBb/4qj+zdB/6D8n/AIAt/wDFUe3h2f8A4DL/ACD6zT7S/wDAZf5Efhf/AJGaz/3z/wCgmsqus8O2Gip4gtGh1t5HDHCGyZc8HvurM/s3Qf8AoPyf+ALf/FUfWIdn/wCAy/yD6zT7S/8AAZf5GNRWz/Zug/8AQfk/8AW/+Ko/s3Qf+g/J/wCALf8AxVHt4dn/AOAy/wAg+s0+0v8AwGX+RjUVs/2boP8A0H5P/AFv/iqP7N0H/oPyf+ALf/FUe3h2f/gMv8g+s0+0v/AZf5GNWroH+s1D/rwm/wDQak/s3Qf+g/J/4At/8VWnothoqvfeVrbvmylDf6Ew2jHJ+9+lH1iHZ/8AgMv8g+s0+0v/AAGX+RydFbP9m6D/ANB+T/wBb/4qj+zdB/6D8n/gC3/xVHt4dn/4DL/IPrNPtL/wGX+RjUVs/wBm6D/0H5P/AABb/wCKo/s3Qf8AoPyf+ALf/FUe3h2f/gMv8g+s0+0v/AZf5GNRWz/Zug/9B+T/AMAW/wDiqP7N0H/oPyf+ALf/ABVHt4dn/wCAy/yD6zT7S/8AAZf5EZ/5E1P+v9v/AEWKyq6w2Gi/8Iqq/wBtv5f21jv+xN12DjG79azP7N0H/oPyf+ALf/FUfWIdn/4DL/IPrNPtL/wGX+RjUVs/2boP/Qfk/wDAFv8A4qj+zdB/6D8n/gC3/wAVR7eHZ/8AgMv8g+s0+0v/AAGX+RjUVs/2boP/AEH5P/AFv/iqP7N0H/oPyf8AgC3/AMVR7eHZ/wDgMv8AIPrNPtL/AMBl/kY1a/iT/j+tf+vG3/8ARa07+zdB/wCg/J/4At/8VWpr9hoz3luZdbeMizgAH2NjkeWMH73f0o+sQ7P/AMBl/kH1mn2l/wCAy/yOSorZ/s3Qf+g/J/4At/8AFUf2boP/AEH5P/AFv/iqPbw7P/wGX+QfWafaX/gMv8jGorZ/s3Qf+g/J/wCALf8AxVH9m6D/ANB+T/wBb/4qj28Oz/8AAZf5B9Zp9pf+Ay/yMatbwt/yNem/9fC/zp/9m6D/ANB+T/wBb/4qtPw5YaKniSwaHW3lkE6lUNky7jnpndxR9Yh2f/gMv8g+s0+0v/AZf5HKyf6xvqabW2+naF5jZ1+Tqf8Alxb/AOKpv9m6D/0H5P8AwBb/AOKo9vDs/wDwGX+QfWafaX/gMv8AIxqK2f7N0H/oPyf+ALf/ABVH9m6D/wBB+T/wBb/4qj28Oz/8Bl/kH1mn2l/4DL/IxqK2f7N0H/oPyf8AgC3/AMVR/Zug/wDQfk/8AW/+Ko9vDs//AAGX+QfWafaX/gMv8hvhv/j+uv8ArxuP/RbVkV1ugWGjJeXBi1t5CbOcEfY2GB5ZyfvdvSsv+zdB/wCg/J/4At/8VR7eHZ/+Ay/yD6zT7S/8Bl/kY1FbP9m6D/0H5P8AwBb/AOKo/s3Qf+g/J/4At/8AFUe3h2f/AIDL/IPrNPtL/wABl/kY1FbP9m6D/wBB+T/wBb/4qj+zdB/6D8n/AIAt/wDFUe3h2f8A4DL/ACD6zT7S/wDAZf5GNWqP+RNf/r/X/wBFmpP7N0H/AKD8n/gC3/xVaYsNF/4RVl/tt/L+2qd/2Juuw8Y3frR7eHZ/+Ay/yD6zT7S/8Bl/kcnRWz/Zug/9B+T/AMAW/wDiqP7N0H/oPyf+ALf/ABVHt4dn/wCAy/yD6zT7S/8AAZf5GNRWz/Zug/8AQfk/8AW/+Ko/s3Qf+g/J/wCALf8AxVHt4dn/AOAy/wAg+s0+0v8AwGX+RjUVs/2boP8A0H5P/AFv/iqP7N0H/oPyf+ALf/FUe3h2f/gMv8g+s0+0v/AZf5Eev/6zT/8Arwh/9BrKrrNasNFZ7HzdbdMWUQX/AEJjuGOD979KzP7N0H/oPyf+ALf/ABVHt4dn/wCAy/yD6zT7S/8AAZf5GNRWz/Zug/8AQfk/8AW/+Ko/s3Qf+g/J/wCALf8AxVHt4dn/AOAy/wAg+s0+0v8AwGX+RjUVs/2boP8A0H5P/AFv/iqP7N0H/oPyf+ALf/FUe3h2f/gMv8g+s0+0v/AZf5GNWr4o/wCRmvP98f8AoIqT+zdB/wCg/J/4At/8VWn4isNFfxBdtNrbxuWGUFkzY4HfdR7eHZ/+Ay/yD6zT7S/8Bl/kcnRWz/Zug/8AQfk/8AW/+Ko/s3Qf+g/J/wCALf8AxVHt4dn/AOAy/wAg+s0+0v8AwGX+RjUVs/2boP8A0H5P/AFv/iqP7N0H/oPyf+ALf/FUe3h2f/gMv8g+s0+0v/AZf5GNWv4Y/wCQ0f8Ar2n/APRTU7+zdB/6D8n/AIAt/wDFVqeHrDRk1YmHW3kb7PMNps2Xjymyc7uw5o+sQ7P/AMBl/kH1mn2l/wCAy/yOSorZ/s3Qf+g/J/4At/8AFUf2boP/AEH5P/AFv/iqPbw7P/wGX+QfWafaX/gMv8jGorZ/s3Qf+g/J/wCALf8AxVH9m6D/ANB+T/wBb/4qj28Oz/8AAZf5B9Zp9pf+Ay/yMaitn+zdB/6D8n/gC3/xVH9m6D/0H5P/AABb/wCKo9vDs/8AwGX+QfWafaX/AIDL/IbD/wAiXd/9f0P/AKBJWRXXRWGjf8IndKNbcxm8iJk+xtwdj4GN3159qyv7N0H/AKD8n/gC3/xVH1iHZ/8AgMv8g+s0+0v/AAGX+RjV2vwf/wCSsaJ/12b/ANBNYf8AZug/9B+T/wAAW/8Aiq6T4VxW8Pxh0VLO5NzEJTiQxlM/IexJqo1Yzdlf7mvzRcK0ZuyT+aa/NH27RRRWpsR6L/yArH/r3T/0EV5l8U2YeJ7fBI/0Veh/2mr03Rf+QFY/9e6f+givMfip/wAjPb/9eq/+hNQBzFtpGqXkAmtrWeSMnAZRwaS50rU7OIy3NtPGg6swOBXoNlrN/o3wrF1pFi17cpE5wsyR+UAhO/5uDggcVWOv33iD4Xwy69bnTZZYIGMzSLL52VUl8J93JJ47VSQrnnW9z0Zvzq/f6Xd6do8F9cFlM0m0R9wuCcmhJLXSpFu7aaG/dDxC8TqPrT9T8RnV4WmvmWOONeYwflHvXp4DBqs+eWx8/nGZywkeSCfM7GYsrMuQ5/Ol3v8A3m/OsewvZru8f7NEFtQfvN1//XWsBk4HWuPE0o0qjjF3R6uCxEsRRVSUbMdvf+8350b3/vN+dOntp7VwlzE8TEBgHUgkHoaWa2nt1QzwvGJBuQupG4eormOwZvf+8350b3/vN+dTxWkokt3nhdYZnAVmUgMM84Ndm+jaN5bIungMJWiD+Y3ZFbPXr81D0VwWrscYlrdyWUl2iOYI2Cu+7gE9P5VBvf8AvN+dbsPkTeEbzbb+XJBKgLrK/wA+c9Vzj9KtWFppgt9Hhl037RNfZEjmRhtG8rkAHrxR1Docxvf+8350BnZgAzEk4AzXR2FrpSyXNq0cFxeebthS4dkUj2YEAH61U06x8rWbiS8jEKWJZ5E6gMDwv/fWBQrA7me9lfJcNCYZmkQAsqAtjPI6VA/mxuUk3ow6q2QRXT6Dctc2uszyXrWTSGM+cu75eTxxzV27023uvEdy2pYaO0tVfc2WE/IG87eSDnPFAHFb3/vN+dG9/wC83511EVlod/rcC2O1o/Kd5UG9IwwBIGWOQOBk5qr4hTTYLS3jtLW1iuiWMptp2lUDjHO4j1oAwlMjttQux9Bk0DzWzt3naMnGeKv+HmK69bY6s238xitxtLXT4NQlWTcWieOVW/hbJ4H4EUPRXDd2OT3v/eb86n+y3ZsTebX+zh9nmbuN3pWzq7aTYzTWSaYN3ljbOJW3K30zjH4VE5gn8HmSO3ELxzhCVkch+ByVJxn8KHon/XUEYv73y9/z7M43c4pN7/3m/Oup+32ieCoC2lQSATspBkk64HzcN1pLCy0S20e2udU8rN0WJLLK2wA4wu04z9aOrDojl97/AN5vzo3v/eb86fciEXUgtmLQ7jsJHJFbPh6ytpLee61GGB7dGVA0vmH5j0ACEHsaFqD0MPe/95vzqWeC5tvL88MnmIHTJ6qe9dNeaNp+m32ozm2+0w20cbJAxZRlwOvOcDNWL+0t7m9hnubPbHbaasv2QFhnk8ZznH40dA6/15f5nIywXMMEU0oZY5gTG2fvYODUW9/7zfnXYTw299/YST2It4HilYwozdOTkEnNYGpXWnzR+XaactrLHIRvSRmDr75J5+lDBEejOx1q0yxP71e9bHjlZZPG94kId2IjwqAk/cXtWNov/IbtP+uorpvEOpJpXxJurqVZGUIqnyzhhmMDINAHIyxXMBAnSWInpvBGfzqWWxvoZ4YZY3WScKYl3feDdP51p69b+ZY2mox3d1NFcFgqXb7nUjGce3NVLK9nvdc043Mm/wAuSKNeAMKCABQtXYHorlCQSxSNHIWV1OGGehpWWdI1d1kVG+6xBAP0ro9Qisby21SWGy+zyWkoKz72JkJJyCCcdu1RX91Je+GLCS6fOblgcAAAewHAo6fd+I+pheTdeT53lzeV/f2nb+dCw3TxGVI5mjHVwpIH413/AO5j1BrWWVpYpLPK26n93Enl5LEdM9TTYPItrvTokmeSCWDEVrGfkbrl39e1H9fmLocFHDdTIXijmkVerKpIFEUVzPnyI5ZNvXYpOPyruIfs1lHppt55Ps7ysqQQNgzNvx83qB70TC2sbMzW87wQ/bH8xLdsPK2FwmR2/wAaAODLODgswP1o3v8A3m/OtfxWkSeJLnyUEeTlkXordxWNSWqGx29/7zfnRvf+83502imIdvf+8350b3/vN+dNooAdvf8AvN+dG9/7zfnTaKAHb3/vN+dG9/7zfnTaKAHb3/vN+dG9/wC83502igB29/7zfnWjoDsfEFkCxI85e/vWZWj4f/5GGy/67L/OgDj9ZvJdP/aW8VXNtgzR20hjBGdzeSmBjvXmja34ULnd4RmJzz/xNX/+Ir0TXf8Ak66//wCvtP8A0UlcR8O9Z0jRfEWoTa5LBAslq8cE09n9pWOQspB2YPYHtWEacFWk7atJ39L2X4aepU9acfX/ACKI1nwoTgeEJiT2/tV//iKna98Opci3fwRdrOekR1KQMfw2Zqf4h2OpW99p2pXd7ZX9teQCS0urG0S2V1BIOUUDBBBHIzV/wx4jn8WfGbS9T1FI4HkYIwjBIUBCO/NaqCenr36GUopK/l3ZhHWvCY6+EJv/AAav/wDEUf214T/6FGb/AMGr/wDxFaep+HvD/wDwj0viDQZbu6WxvlhuoL3ASYHnK7QCAfQnPNa/iqG117TfBUhtLWx+3IUk+zxKgA8wgZI68DqeaFBNpLq0uvVXHOEYXveyv1fQ5X+2vCf/AEKM3/g1f/4itI6x4X/4RVW/4RWXy/trDZ/aj9dg5zs/SvT9S8P6bdy614c1RLC1SGEtp1rb2yCW2RGUCWSUDdkg4wx5z7Vebw/pkWk/8I3qVtaW9hNbkWUaQKZZW+zhzM0mNy4Yk8nkDHSpsrXXr+f+X9agoK9n+b8v8/60PEP7a8J/9CjN/wCDV/8A4ij+2vCf/Qozf+DV/wD4ivXtP0Cw0dtI0e8XT00e8tgu1raOS4v5m3ZKuQXVQFHIIHNQ6b4fsfC9jpUDPp6aVdTul3PPbRzzXjGTYsUe4Ejg9VxjGavkV7fLruTyq1/nu9jyf+2vCf8A0KM3/g1f/wCIo/trwn/0KM3/AINX/wDiKp+MdOt9J8ZanY2X+ohnIjGegPOPwzisWoilJJlyppNr9WdN/bXhP/oUZv8Awav/APEUf214T/6FGb/wav8A/EVzNFVyonkX9Nnda/rHhdLy3EvhWWQmzgIP9qOMDyxgfc7Vl/214T/6FGb/AMGr/wDxFUPEn/H9a/8AXjb/APotayKOVByL+mzpv7a8J/8AQozf+DV//iK6PRNJ8I63o7aqdHltEtWufOt/7QLeYEt96fMVG3L8e9ebV02gf8iL4r/652v/AKPFTKNloTONlow/trwn/wBCjN/4NX/+Ip0ereFpZFji8HTu7HCquqOST9Nla3w413R9J0/V4NQvLSxvrnyhaXN1pwu1TG7d8pVsdRVPxUmreFfiFBf38lpc3EbQ3cEttCsMUycMpCoAACMZHWr5IqSTehXImnbdebLfh2+8PN4ps4YvB1zFOkwJzqMhMeO5XZ2rKfWvCfmNnwjN1P8AzFX/APiK6r4W6mde+Kep6jqGITdWVw8vljIXK9qxNV0jRdH0/SvFGiRz3tlNPJG9pqRGQ69OUxkd/wAKXJZJy6+fnYOVNtL82Z39teE/+hRm/wDBq/8A8RR/bXhP/oUZv/Bq/wD8RXdavo9jr/xa8M29xaQRQ3lrbyzQ28QjWQlQSuFx16Vu3egaf4j0u8sdbawTUrK7iZY7G2jiW1jYsPKZkA3sdvckjHvQoX082t30dhcsVr5J7vqrnlH9teE/+hRm/wDBq/8A8RR/bXhP/oUZv/Bq/wD8RXr2q+HtP1JNd0HV1sLR7UbrC2tbeNZLSJZAqtJIBuJZezE9c0tzoGn+deeHNTTT7azaxP8AZ9rFbRm4yIwxneXG8DcxwCcHFS7Wv5X36FKmr287bv8Ar+vQ8g/trwn/ANCjN/4NX/8AiK1NA1jwu95cCLwrLGRZzkn+1HOR5ZyPud6u2NzbX/wb1qIaZZwtYzwIkyRAyMSG3MXOTzjoDj2rj/Df/H9df9eNx/6Lanyrma/UORWv+rL/APbXhP8A6FGb/wAGr/8AxFH9teE/+hRm/wDBq/8A8RXM0U+VC5F/TZ039teE/wDoUZv/AAav/wDEUf214T/6FGb/AMGr/wDxFczRRyoORf02dN/bXhP/AKFGb/wav/8AEUf214T/AOhRm/8ABq//AMRXM0UcqDkX9NncDWPC/wDwirN/wisvl/bVGz+1H67DznZ+lZv9teE/+hRm/wDBq/8A8RWcP+RNf/r/AF/9FmsqjlQci/ps6b+2vCf/AEKM3/g1f/4ij+2vCf8A0KM3/g1f/wCIrmaKOVByL+mzpv7a8J/9CjN/4NX/APiKP7a8J/8AQozf+DV//iK5mijlQci/ps6b+2vCf/Qozf8Ag1f/AOIrS1rWPC6vY+b4VlfNlEV/4mjjAxwPufrXD1q6/wD6zT/+vCH/ANBo5UHIv6bNH+2vCf8A0KM3/g1f/wCIo/trwn/0KM3/AINX/wDiK5mijlQci/ps6b+2vCf/AEKM3/g1f/4ij+2vCf8A0KM3/g1f/wCIrmaKOVByL+mzpv7a8J/9CjN/4NX/APiKP7a8J/8AQozf+DV//iK5mijlQci/ps7jxFrHhdPEF2s3hWWRwwy41R1zwO2ys3+2vCf/AEKM3/g1f/4is7xR/wAjNef74/8AQRWVRyoORf02dN/bXhP/AKFGb/wav/8AEV0epaT4R0vw6Nb/ALHluFuFtPJtf7QK7DJG7SfNty2CqjpxmvNq6bWv+Se+F/8Arpe/+hpUuOqsTKOqsw/trwn/ANCjN/4NX/8AiKkh1Lw1cbvs/gu5l2Dc2zU5G2j1OErs/CGo2eq+E9J8PaBqel2OusZEkivNISY3DFmKgSshA4IHWuC0rXtQ8H6tqipFG088ElpMr5AXcRkgDvxVSik2vu8ylBNX/Vm74d1Lw2+oGSHwjcRqIZgZf7Sdl/1TEr9zGSM1kf214T/6FGb/AMGr/wDxFdf8O49Lf4f3h1ma4SFb98Jbgb3/ANGcEAkEDjJ59Kj0LS7Pwh8WrHSorW31K3vnhMMt7GHZI35I2/dJOcZI7cVXs1z8vf17XE4pR5tfvfexyn9teE/+hRm/8Gr/APxFH9teE/8AoUZv/Bq//wARXaeD9BjufFHiy+tLW1lu9PDfZY7hFMURLgGQqflwFz145rq4vDGkazeadrthHa6lqEdlOSFgWKG6nj37XCABdoKgdMEDJzms4pOCl3V/z/r+mU4JScfO27PIP7a8J/8AQozf+DV//iKP7a8J/wDQozf+DV//AIiu58bQ6WvhfTNflSw1PUbO9a3uvs8CwQTcAhAIwoO31HXNQ69ptn4g8f8Ag+O4tbeCO/s7eSeO3iWJXJVSRhQOvT8apQTaXnbd9Vf8hOMUr+V930djjP7a8J/9CjN/4NX/APiK1ItY8L/8IncsPCsojF5EDH/aj8nY+DnZ9fzrtfFWm2l74T8QW2qGwTUdMxNbW9lbRx/ZI8kBHdQNzMF6MSR+NeTw/wDIl3f/AF/Rf+gPUpJv/gj9mrf8Fl/+2vCf/Qozf+DV/wD4ij+2vCf/AEKM3/g1f/4iuZoquVC5F/TZ039teE/+hRm/8Gr/APxFH9teE/8AoUZv/Bq//wARXM0UcqDkX9NnTf214T/6FGb/AMGr/wDxFH9teE/+hRm/8Gr/APxFczRRyoORf02dxrGseF1TTvM8KyvmyQr/AMTRxtGW4+5z9azf7a8J/wDQozf+DV//AIis7Xf9Xpf/AF4R/wDoTVlUcqDkX9NnTf214T/6FGb/AMGr/wDxFH9teE/+hRm/8Gr/APxFczRRyoORf02dN/bXhP8A6FGb/wAGr/8AxFH9teE/+hRm/wDBq/8A8RXM0UcqDkX9NnTf214T/wChRm/8Gr//ABFaXiHWPC6a5Ms3hWWR9seWGqOufkXtsrh61fE3/IwT/wC5H/6LWjlQci/ps0f7a8J/9CjN/wCDV/8A4ij+2vCf/Qozf+DV/wD4iuZoo5UHIv6bOm/trwn/ANCjN/4NX/8AiKP7a8J/9CjN/wCDV/8A4iuZoo5UHIv6bOm/trwn/wBCjN/4NX/+IrS8Pax4XfXIVh8Kyxvtkwx1R2x8jdtlcPWr4Z/5GCD/AHJP/RbUcqDkX9Nmj/bXhP8A6FGb/wAGr/8AxFH9teE/+hRm/wDBq/8A8RXM0UcqDkX9NnTf214T/wChRm/8Gr//ABFdF4h0jwl4bsjdHSJb4XF4Ugj/ALQKbIvIifOQDu+Z3GfbHavN66rxj/yBfCX/AGBh/wClE1S46omUdVqR/wBteE/+hRm/8Gr/APxFSR6j4amjeSLwXcukYy7LqchCj3Oziu3029t/EfhWw0bwpqelwajDpxFxZXGjoZJnVfmxMydcA96850nxJeaDpesaZDEjJqUQhmL5ym1s8e9VKKTa+7zKUE0n+rOit9S8NjwlfT/8IjcLbm5hXnUnw5w/Rtnb096yP7a8J/8AQozf+DV//iK7fR7fRbn4FadF4gkvFhk1mREFnt3biq8ksCMD86h8J6db+GPidfeGJbKzv1YTr9quIg7eWImKgKflByAc4zTdNJ29fwEopxv+r7nHf214T/6FGb/wav8A/EUf214T/wChRm/8Gr//ABFdf4A0bOl+INXslsVu4LoQrPfRo8VpGSdzlXBU8eo7V13/AAi+lXN/L4k0GK1ubp9LWaLz4FSESFlDTmMgKBgtwRj2pcq/r0uPlX9N97HkX9teE/8AoUZv/Bq//wARR/bXhP8A6FGb/wAGr/8AxFdn45fSNOi0DxJZwWWp3MiyRTuIBFDNKhYCQRqAMAjHTBxznNYnxHmtdP8AiWLkadavEIo5GtQnlxsSD2TH6UcquvW3UfIvPa+7Mf8Atrwn/wBCjN/4NX/+IrUl1jwv/wAInbMfCspjN5KBH/aj8HYmTnZ9OPanfFNo57rQ7uO1t7Z7nTIZZFt4VjUsUUk4UAVzU3/ImWn/AF/S/wDoCUuVXa7Nrfs7ByKyfp1Zf/trwn/0KM3/AINX/wDiKP7a8J/9CjN/4NX/APiK5minyoXIv6bOm/trwn/0KM3/AINX/wDiKP7a8J/9CjN/4NX/APiK5mijlQci/ps6b+2vCf8A0KM3/g1f/wCIo/trwn/0KM3/AINX/wDiK5mijlQci/ps7rxFrHhdNWAm8KyyN9nhO4ao68eUuBjZ2HFZf9teE/8AoUZv/Bq//wARVDxP/wAhof8AXtB/6KWsijlQci/ps6b+2vCf/Qozf+DV/wD4ij+2vCf/AEKM3/g1f/4iuZoo5UHIv6bOm/trwn/0KM3/AINX/wDiKP7a8J/9CjN/4NX/APiK5mijlQci/ps7jw7rHhd/EFosPhWWNyxw51R2xwe2ys3+2vCf/Qozf+DV/wD4is7wv/yM1n/vn/0E1lUcqDkX9NnTf214T/6FGb/wav8A/EUf214T/wChRm/8Gr//ABFczRRyoORf02dN/bXhP/oUZv8Awav/APEUf214T/6FGb/wav8A/EVzNFHKg5F/TZ039teE/wDoUZv/AAav/wDEVpaLrHhdnvvK8KypiylLf8TRzkY5H3P1rh61dA/1mof9eE3/AKDRyoORf02aP9teE/8AoUZv/Bq//wARR/bXhP8A6FGb/wAGr/8AxFczRRyoORf02dvoEvhDXNettNl8Ny2i3DFfPOqMdh2kg4KjPIo1lfCvh6a0spvD017ObKCWeX+0WjxI8YZ12hTjBJGK5HTP+Qtaf9d0/wDQhXSeJJ7e2+MWpT3oBtotakeUFdwKCYk8d+O1JQTmlfQhxtL5EH9teE/+hRm/8Gr/APxFStqPhpIEnfwXdLE5wsh1OQKx9js5rqvHTt4j8OX2q+HtU0y90e1nUSW9vpKWstuD93LbAzDr3rhLrxNdXnhTT/D8kcYtrKZ5UcZ3MW7H6UKN9Oun4mnIt+nqzoZtS8NweF08/wAI3Eam8OIn1JweYwd2dncYrK/trwn/ANCjN/4NX/8AiK9P8ReGtF8SQQ2LXt0mptZxTx7FHlKyWSHa2Rk5AHI9a5HR7m3u/hP4itDpllE9gYQs6xBpHc79zbzkjOBwCBx0ocUk/Lz87AoJ287dX1Rz39teE/8AoUZv/Bq//wARR/bXhP8A6FGb/wAGr/8AxFel+FtKtNG8L+HZZ/7Ph07UfmvZZ7aOaa6dn2iGPcCV4PVcYxmsvw7Dp2m+O/EXh6DTLOaDyp5BPNH5jhQgKqN2QuCTyADz1pyiotrtf8NxRgpJP06vqcR/bXhP/oUZv/Bq/wD8RR/bXhP/AKFGb/wav/8AEV2Xw+0kW3ge91y1FjHOb1YZ7y+hSVLWABi2FcEFiQoHGfSurn8KadbXup694aisvPmtbeSN72FPJtg+BJMY2G0AglsEcdqJRUf67q6BRT/4d97M8i/trwn/ANCjN/4NX/8AiK1Nf1jwul5biXwrLITZwEH+1HGB5YwPudqsfFaw0xZNH1XSXR/7QtiZnjhESyOp5cIAAoOewHSuU8Sf8f1r/wBeNv8A+i1pKKf/AA7G4L+my/8A214T/wChRm/8Gr//ABFH9teE/wDoUZv/AAav/wDEVzNFPlQuRf02dN/bXhP/AKFGb/wav/8AEUf214T/AOhRm/8ABq//AMRXM0UcqDkX9NnTf214T/6FGb/wav8A/EVp+HNY8Lv4ksFh8KyxSGdQrnVHbac9cbOa4atbwt/yNem/9fC/zo5UHIv6bNJ9a8J+Y2fCM3U/8xV//iKb/bXhP/oUZv8Awav/APEVzcn+sb6mm0cqDkX9NnTf214T/wChRm/8Gr//ABFH9teE/wDoUZv/AAav/wDEVzNFHKg5F/TZ039teE/+hRm/8Gr/APxFH9teE/8AoUZv/Bq//wARXM0UcqDkX9NndaBrHhd7y4EXhWWMiznJP9qOcjyzkfc71l/214T/AOhRm/8ABq//AMRVDw3/AMf11/143H/otqyKOVByL+mzpv7a8J/9CjN/4NX/APiKP7a8J/8AQozf+DV//iK5mijlQci/ps6b+2vCf/Qozf8Ag1f/AOIo/trwn/0KM3/g1f8A+IrmaKOVByL+mzpv7a8J/wDQozf+DV//AIitIax4X/4RVm/4RWXy/tqjZ/aj9dh5zs/SuHrVH/Imv/1/r/6LNHKg5F/TZo/214T/AOhRm/8ABq//AMRR/bXhP/oUZv8Awav/APEVzNFHKg5F/TZ2+jL4V8QzXdlD4emspxZTywS/2i0mZEjLIu0qM5IAxRr8vhDQ9eudNi8Ny3a27BfPGqMN52gk4CnHJrI8Bf8AJRfD3/YSg/8ARgqTQL6w034jQ3msBTZQ3jtNvi8wYyeq4OfpSjBOdm9CHGze+w7+2vCf/Qozf+DV/wD4ipZNQ8NwpG8vgq6RZRmNm1OQBx7fJzW58QUudX0GPXLDU9O1LR/tbRqbTTEtHhbnCsAqsRj14rmL/wAUXet2Oh6bcxxrFpSeTEy5y4LlsnP1p04KbS63X4/0jRwS6/izb1/U/DdtcWcd34RnEgs4vlbUnUoMfdI2dqyv7a8J/wDQozf+DV//AIivSPiV4a0TxB4w177Pc3qaxY2S3R3bfIdQQCuMbs/N1ziuUuby21P4LyyR6XZ2jWl+kKNFH85G1SSXOWOSScZxzxxU2XLf0693YUYKVv8AN9rmF/bXhP8A6FGb/wAGr/8AxFH9teE/+hRm/wDBq/8A8RXrWkaJY6ZDoml3yafHpF9aLlGto5Li+mfOSrkF1Vdo5BA5rkfDAs4tK8YaGunWci2NtKwumjDyORKADk524HHy4pzio83kn17bjjBSSfe3V9djk/7a8J/9CjN/4NX/APiKP7a8J/8AQozf+DV//iK73wXpsOkfD2y1lWsLeK5un+33t5bJOVjULtiRXB+Y5PQZ5p9vBpWhfGq40jT9JtJba+LMpuI/MMKGNm2BTlRyBzjIx1qvZrmt/n6/16ehKinG/wCrPP8A+2vCf/Qozf8Ag1f/AOIrS8Rax4XTxBdrN4VlkcMMuNUdc8DtsrkdUUJrF4qAKoncAAYAG41b8Uf8jNef74/9BFRFKST/AFKdNJ2/Vmj/AG14T/6FGb/wav8A/EUf214T/wChRm/8Gr//ABFczRVcqFyL+mzpv7a8J/8AQozf+DV//iKP7a8J/wDQozf+DV//AIiuZoo5UHIv6bOm/trwn/0KM3/g1f8A+IrU8O6x4XfViIfCssbfZ5juOqO3HlNkY2dxxXC1r+GP+Q0f+vaf/wBFNRyoORf02X/7a8J/9CjN/wCDV/8A4ij+2vCf/Qozf+DV/wD4iuZoo5UHIv6bOm/trwn/ANCjN/4NX/8AiKP7a8J/9CjN/wCDV/8A4iuZoo5UHIv6bOm/trwn/wBCjN/4NX/+Io/trwn/ANCjN/4NX/8AiK5mijlQci/ps7qLWPC//CJ3TDwrKIxeRAx/2o/J2Pg52fXj3rL/ALa8J/8AQozf+DV//iKoQ/8AIl3f/X9D/wCgSVkUcqDkX9NnTf214T/6FGb/AMGr/wDxFbXwxuLK5+M2jS6ZZNY25l+WBpjKQdhz8xArz+u1+D//ACVjRP8Ars3/AKCaaikNRSPuWiiimUR6L/yArH/r3T/0EV5j8VP+Rnt/+vVf/Qmr07Rf+QFY/wDXun/oIrzH4qf8jPb/APXqv/oTUAc/a+K9YsbFbO0ktxAowBJEWP8AOobnxBqV9atb3kkLREABY49uMfjRaaBql9bie1spZImOAwHWku9B1OxhM11ZTRxjqxXgVfNK1ibK5n1Q1DTje+WqtsTdl/cVfAycDk1o6jo1xpmjQX1yCrTSbRHjouCcmtsN7ZztS3ZyY36uqd6+yMqGFLeJY4l2qo4FSglWBHBByKarBlyKWsJKSk+bc64OLinHYnu725v5RLeTNK4UKGb0HQUXN9c3gjF1M0oiXam7+EelQUVJRZk1C7lhghknZo7f/VKeifSpP7Y1DOftcn3i/XvgDP5AVSooA0ofEOq29r9mhvXSHGNgAxj8qtS+I7mPSLO0sbiSLZGwmAAGSWJ4P0NZken3MthJepHm3iYK75HBPTj8KrUPsBetNa1CxiaO0umjVjkgAcmmf2lcGzltiQVmffI2PmY+59KqUqqWYKoyScAUbgSR3M0UMkMcjLHLjeo/ix0qdNXv45oZUupA8KbI2z91fSkbS74XLwLaySSxgFliXftyMjpmq0kUkMhjmRo3XgqwwR+FAG5pXiBl1f7Vq80jnymjSVUBaMkHBA4zyas6hqmm6lbw2t1f3Muxmc3bWwDDOMKFDdPfNcxRQBrPHpVovn6fql01zGQ0YNqF5+u41VfVr6RJ0e5dluG3Sg/xn3qqiPI22NWZj0CjJoWN23bUY7RlsDoPegB09xLcymWdy7nqxq8viLVktPsy3riHbt2YGMflWbVj7BcHTzfeX/o4fyy+R970x1o6ASWmrX1hHIlpctEsn3wMYNOtda1GyjaO1unjRjkqACM/jVPypBEJCjeWTgNjjP1ptAGpBBpM8IkvdSuY52yXVLUMAfruH8qT+0X0mV00TUJmhkA3FogmT9MmsygDJwKPQC+mt6lHeNdJdyCd1Cs/GSAMUg1nURdrdfa5PORdivnkD0qvd2c9lN5Vymx9obGQeCMjp7Go0R5HCRqzseiqMk0AW5dY1CeZJZbqRnjzsY/w561TJLMSeSTk0EFSQwII6g0lAF7Rf+Q3af8AXUVt+NLqaz8eXc1tIY5FCYYDp8i1iaL/AMhu0/66itjxzFJP44vI4Y2kciPCopJPyL2oAwby/utQlEl5M0rgYBbsKhjkeGVJImKujBlYdiKfNaXFvII54JYnPRXQgn8DSz2lza4+1W8sO7p5iFc/nRsBYvNa1HUIwl5dPKoOQDjrUsviPVp7Y28t7I0RGChAx/Kqs+n3NtDbyzR7UuF3RHcDuGcVHdW0tncvb3C7JYzhlznBo8gLH9s6gbH7H9rk+z4xs9vSiHWdQt7M2sN1IkB6oMVB9iuvs/2j7NN5P/PTyzt/PpSpZXUluZ47aZ4V6yLGSo/GgCa01jULGBobS6eKNuqjFJZ6vf2G/wCx3LxeYctjByfxqGGzuriNpLe2mlRfvMkZYD6kUQWdzdFhbW8s2373loWx9cUARySPLIzyMWZjkk96bUsNpcXEhjt7eWV16qiFiPwFCWlxLOYI4JXlHWNUJYfhQBFRUv2W4Fx9n8iXzs48vYd35daJbW4gmEU0Ekch6I6EE/hQBFRT5oZbeTZPE8T/AN11IP5GmUAFFFFABRRRQAUUUUAFaPh//kYbL/rsv86zq0fD/wDyMNl/12X+dAHIaxZSaj+0t4qtIColltpFQscYPkJzXC6UPBGkX7TyatNfnBUxXuieYgOeuBOOa7nWryWw/aW8VXFqR9oW2k8oEZ3N5KYAHc+1eaNr/hred3g2InPJ/tGf/GuSPtVXn/Lpbvfrv02t8yqn8ONr9e3kbXiLU/DHia6hlv8AxPfRR28Yigt7fRQsUKDso8449eveq+hSeEvD+t22qWPiW+ee2bciy6MGU8Y5HnD1rM/t/wAM/wDQmRf+DKf/ABo/t7wz/wBCZF/4Mp/8a3XMtr/gc75mrO/4HUap4j8K6pawWY1Y2dlFOJ2tbTQdkcz+rgzkn061Z1nxd4V1rRrfTZb6G2itRi3e28PlHhGc/KTcHHJrlpL7RYZoopvALRyTAGJGvbgGQHpgd8+1QvrfhuKRkl8FRo6nDK2ozgg+mM0ve8/wH72+v4HX6h410PUdPuLeTxDNFPdoI7q9i0PE9woOcM3nkdQDwB0rQfxnpDeCxCfEM+8sbP8AtD+xf9I2eWBtz52Pu8Z9Pzrz7+3/AAz/ANCZF/4Mp/8AGtI654c/4RVX/wCERi8v7aw8v+0Juuwc5zQ02ra/gJcy2v8Agb9j400Kw063tl8QSzTWsZitr2bQt08Cnsrefgfl3qPSPF3h7SNPhtP7flvRbO0lrLeaHve3Y5JKHzxg5Oehrkv7f8M/9CZF/wCDKf8Axo/t/wAM/wDQmRf+DKf/ABp+95/gFpWtr+BZu7Twfe3kt1c+KtUkmmcu7HSByT/22qH+yvBP/Qz6n/4KB/8AHqZ/b/hn/oTIv/BlP/jR/b/hn/oTIv8AwZT/AONKzXf8Bvmbu7/gP/srwT/0M+p/+Cgf/HqP7K8E/wDQz6n/AOCgf/HqZ/b/AIZ/6EyL/wAGU/8AjR/b/hn/AKEyL/wZT/40/e8/wF73n+Br6/png5ry38/xHqKN9jgAC6UGyPLGD/rfTtWX/ZXgn/oZ9T/8FA/+PVo6/rnhxLy3EvhGKQmzgIP9oTDA8sYHB7Vl/wBv+Gf+hMi/8GU/+NHvef4B73n+A/8AsrwT/wBDPqf/AIKB/wDHq6DRtd8HaHpP9lx6lf3UNw1z587aeqGMSW/lrhfMO7Dc9RXOf2/4Z/6EyL/wZT/410miaf4R1rRX1WXQ0tBaG5863F/IQ4WDfHkk5XL/ACj1PFTLbW/4Ey296/4FTQ7nwRocskn9pNqBfGPt2heZsI7ricYqPXrrwx4k1aTUdU8Wak8z4AC6OAqKOAqjzuABwKyv7f8ADP8A0JkX/gyn/wAaP7f8M/8AQmRf+DKf/GqfM+/4Fe8u/wCB0/gK68LeH/Ftvcabr93cyzA27RXOjjY6twQcTcfWl1LxD4V1G+smuNWK2lgW8nT00LFvk9SV8/J/Osrw3rfh2XxLp8cHhCOORp1CuNQmYg59M81XmvdHj1BrOTwA63QJzC17cB/X7vWi8tN/wC0vP8Dp9Z8Z+HNYubK6/tf7Dd2BQ29zZ6DskQJjaMm4PAwKi1Xxd4f1SyNsmvzaejzLPM1loexp5F6M5M5yRk/nXJHXvDI6+DIv/BjP/jR/b/hn/oTIv/BlP/jS97z/AAH73n+B2GqeM9C1XT7m2k8QTW8l4FF3d2+h7ZrnBB+djOc8gHgCluPGmhXGmyW7+IJVuJbf7NJqC6F/pDx4xtLefjGOOlcd/b/hn/oTIv8AwZT/AONH9v8Ahn/oTIv/AAZT/wCNFna2v4AuZd/wOx07xf4T03w5JosV1byWswUTNL4eJeUgYDMftHJ5NY2iaf4OOoXTweItQJa0nyv9lBQqlDnH709B2rH/ALf8M/8AQmRf+DKf/GtTQNc8OPeXAi8IxRkWc5J/tCY5HlnI5Peh8zd9fwF71ra/gZ39leCf+hn1P/wUD/49R/ZXgn/oZ9T/APBQP/j1M/t/wz/0JkX/AIMp/wDGj+3/AAz/ANCZF/4Mp/8AGn73n+Ae95/gP/srwT/0M+p/+Cgf/HqP7K8E/wDQz6n/AOCgf/HqZ/b/AIZ/6EyL/wAGU/8AjR/b/hn/AKEyL/wZT/40e95/gHvef4D/AOyvBP8A0M+p/wDgoH/x6j+yvBP/AEM+p/8AgoH/AMepn9v+Gf8AoTIv/BlP/jR/b/hn/oTIv/BlP/jR73n+Ae95/gao0zwb/wAIqy/8JJqXlfbQd/8AZQzu2HjHm+nes3+yvBP/AEM+p/8AgoH/AMeq+Nc8Of8ACKs//CIxeX9tUeX/AGhN12HnOazf7f8ADP8A0JkX/gyn/wAaPe8/wD3vP8B/9leCf+hn1P8A8FA/+PUf2V4J/wChn1P/AMFA/wDj1M/t/wAM/wDQmRf+DKf/ABo/t/wz/wBCZF/4Mp/8aPe8/wAA97z/AAH/ANleCf8AoZ9T/wDBQP8A49R/ZXgn/oZ9T/8ABQP/AI9TP7f8M/8AQmRf+DKf/Gj+3/DP/QmRf+DKf/Gj3vP8A97z/Af/AGV4J/6GfU//AAUD/wCPVpa1png1nsvO8SakmLKILjSgcrjg/wCt4+lZX9v+Gf8AoTIv/BlP/jWlrWueHEex8zwjFJmyiI/4mEw2jHA60e95/gHvef4FD+yvBP8A0M+p/wDgoH/x6j+yvBP/AEM+p/8AgoH/AMepn9v+Gf8AoTIv/BlP/jR/b/hn/oTIv/BlP/jR73n+Ae95/gP/ALK8E/8AQz6n/wCCgf8Ax6j+yvBP/Qz6n/4KB/8AHqZ/b/hn/oTIv/BlP/jR/b/hn/oTIv8AwZT/AONHvef4B73n+A/+yvBP/Qz6n/4KB/8AHqP7K8E/9DPqf/goH/x6mf2/4Z/6EyL/AMGU/wDjR/b/AIZ/6EyL/wAGU/8AjR73n+Ae95/gaviHTPBreILoz+JNSjkLDcq6UGA4Hfzazf7K8E/9DPqf/goH/wAeq/4i1zw4niC7WXwjFK4YZc6hMM8DsDWb/b/hn/oTIv8AwZT/AONL3vP8A97z/Af/AGV4J/6GfU//AAUD/wCPV0Go674O1TQDokmpX8EMC2nk3K6erM5ijdXynmDbksD1PSuc/t/wz/0JkX/gyn/xrpNT0/wjpnhtdbXQ0uPtQtPJtTfyAIXjdpcEHLbWVQfTPvSfnf8AAmW6vf8AAk0LxD4T8O2qrpmqbLtAwTUG0HNwme4b7RjIzxxXOy2HgyeZ5ZvFOqPI7FmY6QMkn/ttUP8Ab/hn/oTIv/BlP/jR/b/hn/oTIv8AwZT/AONV7zd9fwK961tfwO28Da34Y0VJdMttVbUIZDJcbb3RM7WWJhkET+meO9VrHxZ4btPE8uvza099fuytG13oW4QFemwCcY4x69KyvC+qaFea15Vl4MXzfs8x/d307nAibIxn04rMXVtAaOWRfAwKQkCRhf3GEJ6ZOeKLyvfX8AtK1tfwOpHi3w0mvzarb6wbdrmMxXNtFoWIbhSQTvX7Rk8gHqKH8Y6J/bNpqFv4lubVbOIwQ2kGibYFjOdybfPzg5Oee5rkf7f8M/8AQmRf+DKf/Gj+3/DP/QmRf+DKf/Gkk0ktfw/rqP3t9fwOp1LxJ4W1OaxE+rlLOydnjsItBxbszYyWXz8knA79qsa14x8M619iZtUWynsNn2a4s9A2SRhMbQCbg8cCuO/t/wAM/wDQmRf+DKf/ABo/t/wz/wBCZF/4Mp/8afveffoL3vP8DrNa8VeHNa02ayfXZLRLpw91JaaFse5YdC5M5z+nWsqLTPB3/CKXKjxHqJi+2REv/ZQyDsfAx5v15rI/t/wz/wBCZF/4Mp/8a1Itc8OHwncuPCMQjF5EDH/aE3J2PznP+c0rPz/Afvef4Gd/ZXgn/oZ9T/8ABQP/AI9R/ZXgn/oZ9T/8FA/+PUz+3/DP/QmRf+DKf/Gj+3/DP/QmRf8Agyn/AMafvef4C97z/Af/AGV4J/6GfU//AAUD/wCPUf2V4J/6GfU//BQP/j1M/t/wz/0JkX/gyn/xo/t/wz/0JkX/AIMp/wDGj3vP8A97z/Af/ZXgn/oZ9T/8FA/+PUf2V4J/6GfU/wDwUD/49TP7f8M/9CZF/wCDKf8Axo/t/wAM/wDQmRf+DKf/ABo97z/APe8/wNXWNM8Gsmneb4k1JMWSBMaUDuXLc/63j6Vm/wBleCf+hn1P/wAFA/8Aj1X9Y1zw4qad5nhGKTdZIV/4mEw2jLcdeazf7f8ADP8A0JkX/gyn/wAaPe8/wD3vP8B/9leCf+hn1P8A8FA/+PUf2V4J/wChn1P/AMFA/wDj1M/t/wAM/wDQmRf+DKf/ABo/t/wz/wBCZF/4Mp/8aPe8/wAA97z/AAH/ANleCf8AoZ9T/wDBQP8A49R/ZXgn/oZ9T/8ABQP/AI9TP7f8M/8AQmRf+DKf/Gj+3/DP/QmRf+DKf/Gj3vP8A97z/Af/AGV4J/6GfU//AAUD/wCPVpeINM8Gtrkxn8SalG+2PKrpQYD5Fxz5vpWV/b/hn/oTIv8AwZT/AONaXiHXPDia5MsvhGKVtseWOoTDPyL2Bpe95/gHvef4FD+yvBP/AEM+p/8AgoH/AMeo/srwT/0M+p/+Cgf/AB6mf2/4Z/6EyL/wZT/40f2/4Z/6EyL/AMGU/wDjT97z/APe8/wH/wBleCf+hn1P/wAFA/8Aj1H9leCf+hn1P/wUD/49TP7f8M/9CZF/4Mp/8aP7f8M/9CZF/wCDKf8Axo97z/APe8/wH/2V4J/6GfU//BQP/j1aXh/TPBq65CYPEmpSPtkwraUFB+Rs8+b6Vlf2/wCGf+hMi/8ABlP/AI1peHtc8OPrkKxeEYom2yYYahMcfI3Ymj3vP8A97z/Aof2V4J/6GfU//BQP/j1H9leCf+hn1P8A8FA/+PUz+3/DP/QmRf8Agyn/AMaP7f8ADP8A0JkX/gyn/wAaPe8/wD3vP8B/9leCf+hn1P8A8FA/+PV0Gva94P8AElm1rPqV/ZLBeGWCRNPWQvGYIkwR5g2/NGxxz1rnP7f8M/8AQmRf+DKf/Gj+3/DP/QmRf+DKf/GlZt31/AXK276/gdTp3iXwrpGlta6Xqv2SdoTC1/FoOLgqevzfaMZP0rmjpfgokk+KNTJPU/2QP/j1R/2/4Z/6EyL/AMGU/wDjR/b/AIZ/6EyL/wAGU/8AjT95u+v4D961tfwO78PeJPDej+B5bCPVPttraXizRPd6JuaKRweQBOM/d/DHeqWjeLvDej6zdaudZa/1C5kaRrm90He6lgQwGLgYBBNYtrrnhw+F9QceEYgguIQ0f9oTfMcPg5z2/rWX/b/hn/oTIv8AwZT/AONF5Xvr+AWla2v4HV23ijwtaahe3EGq7be/UC4sP7BP2eTGcEr9oznk96ePGGiDXX1L/hJborJb/ZWs/wCxP9HMPGI9vn52jA79q5H+3/DP/QmRf+DKf/Gj+3/DP/QmRf8Agyn/AMaXvef4B73n+B1N54k8K6hqlpdXmq+bb2cZigsDoP8Ao8anPRftGepJ69al1zxV4S8Q6lb32oXkBmgIzs8PkCUDor/6RyPyrkf7f8M/9CZF/wCDKf8Axo/t/wAM/wDQmRf+DKf/ABp+95/gHvef4HV+JfE3hPxRZQW97qCW/wBnRY4pbXQNjoijAUE3B44rLl0zwd/wilsp8SaiIvtkpD/2UMk7EyMeb9OayP7f8M/9CZF/4Mp/8a1Jdc8ODwnbOfCMRjN5KBH/AGhNwdic5z/nFKz8/wAB+95/gZ39leCf+hn1P/wUD/49R/ZXgn/oZ9T/APBQP/j1M/t/wz/0JkX/AIMp/wDGj+3/AAz/ANCZF/4Mp/8AGn73n+Ave8/wH/2V4J/6GfU//BQP/j1H9leCf+hn1P8A8FA/+PUz+3/DP/QmRf8Agyn/AMaP7f8ADP8A0JkX/gyn/wAaPe8/wD3vP8B/9leCf+hn1P8A8FA/+PUf2V4J/wChn1P/AMFA/wDj1M/t/wAM/wDQmRf+DKf/ABo/t/wz/wBCZF/4Mp/8aPe8/wAA97z/AANfxDpng5tWBn8R6jG/kQ/KulBhjy1wc+b6Vl/2V4J/6GfU/wDwUD/49Wj4i1zw4mrAS+EYpW+zwncdQmHHlLgcHt0rL/t/wz/0JkX/AIMp/wDGj3vP8A97z/Af/ZXgn/oZ9T/8FA/+PUf2V4J/6GfU/wDwUD/49TP7f8M/9CZF/wCDKf8Axo/t/wAM/wDQmRf+DKf/ABo97z/APe8/wH/2V4J/6GfU/wDwUD/49R/ZXgn/AKGfU/8AwUD/AOPUz+3/AAz/ANCZF/4Mp/8AGj+3/DP/AEJkX/gyn/xo97z/AAD3vP8AA1fD2meDV8QWpg8SalJIGO1W0oKDwe/m1m/2V4J/6GfU/wDwUD/49V/w7rnhx/EFosXhGKJyxw41CY44PYms3+3/AAz/ANCZF/4Mp/8AGj3vP8A97z/Af/ZXgn/oZ9T/APBQP/j1H9leCf8AoZ9T/wDBQP8A49TP7f8ADP8A0JkX/gyn/wAaP7f8M/8AQmRf+DKf/Gj3vP8AAPe8/wAB/wDZXgn/AKGfU/8AwUD/AOPUf2V4J/6GfU//AAUD/wCPUz+3/DP/AEJkX/gyn/xo/t/wz/0JkX/gyn/xo97z/APe8/wH/wBleCf+hn1P/wAFA/8Aj1aWi6Z4NV73yfEmpPmylDZ0oDC45P8ArefpWV/b/hn/AKEyL/wZT/41paLrnhx3vvL8IxR4spSf+JhMdwxyOtHvef4B73n+BQ/srwT/ANDPqf8A4KB/8eo/srwT/wBDPqf/AIKB/wDHqZ/b/hn/AKEyL/wZT/40f2/4Z/6EyL/wZT/40e95/gHvef4GpoLeCdC1y21Ma9qV0bYlhC2lKoc7SAM+acdfSl1C78H61dafqF3q99b3ENnbxTW/9mCVGeONVYlvNG4Eg/nWV/b/AIZ/6EyL/wAGU/8AjR/b/hn/AKEyL/wZT/40rO99fwFyu99fwOn1TxD4W1LRP7It9ZfS7Jn8yWKw0LyxM3Ytmc5xiubGl+CQf+Rn1P8A8FA/+PUz+3/DP/QmRf8Agyn/AMaP7f8ADP8A0JkX/gyn/wAafvJ31/Ar3rW1/A9EufG2iTeEiE1g28j/AOhtfQ6HiZkEQTH+vxyoAz+lZmleLvCekaDLpEN3bywTqBO83h8s82M4LH7QMkZNYB1zw5/wiqv/AMIjF5f21h5f9oTddg5zms3+3/DP/QmRf+DKf/Gj3td/wF722v4HX6V4v8OaTYxWsettcJbyNJaNcaFvNqxJOY/34xyc85pNA8WeGPD9zdXUWqi8u7pnMlzeaDvkIb7y5FwOK5H+3/DP/QmRf+DKf/Gj+3/DP/QmRf8Agyn/AMaPe8/wD3vP8DrLHxT4X0+W8WHVd1leMryae+gk24YdGC/aMgjJ796WPxhoa6xeX9x4lubpb2NYprSfRMwMijCrtE4OBgY57VyX9v8Ahn/oTIv/AAZT/wCNH9v+Gf8AoTIv/BlP/jS97z/APe8/wNnxBfeFvEl8lxfeJb6JYoxFDBBowWOJB0VR5xwOabr+meDmvLfz/Eeoo32OAALpQbI8sYP+t9O1ZH9v+Gf+hMi/8GU/+Namv654cS8txL4RikJs4CD/AGhMMDyxgcHtRZ+f4D97z/Azv7K8E/8AQz6n/wCCgf8Ax6j+yvBP/Qz6n/4KB/8AHqZ/b/hn/oTIv/BlP/jR/b/hn/oTIv8AwZT/AONP3vP8Be95/gP/ALK8E/8AQz6n/wCCgf8Ax6j+yvBP/Qz6n/4KB/8AHqZ/b/hn/oTIv/BlP/jR/b/hn/oTIv8AwZT/AONHvef4B73n+A/+yvBP/Qz6n/4KB/8AHq0vDumeDV8SWDQeJNSkkEy7VbSgoJ+vm8Vlf2/4Z/6EyL/wZT/41p+HNc8OSeJLBYvCMUTmdQrjUJjtOeuCaPe8/wAA97z/AAKL6X4J8xs+J9T6n/mED/49Tf7K8E/9DPqf/goH/wAepH17wz5jf8UbF1P/ADEZ/wDGm/2/4Z/6EyL/AMGU/wDjR73n+Ae95/gP/srwT/0M+p/+Cgf/AB6j+yvBP/Qz6n/4KB/8epn9v+Gf+hMi/wDBlP8A40f2/wCGf+hMi/8ABlP/AI0e95/gHvef4D/7K8E/9DPqf/goH/x6j+yvBP8A0M+p/wDgoH/x6mf2/wCGf+hMi/8ABlP/AI0f2/4Z/wChMi/8GU/+NHvef4B73n+Br6Bpng5by48jxHqLt9jnBDaUFwPLOT/rfTtWX/ZXgn/oZ9T/APBQP/j1aOga54ce8uBF4RijIs5yT/aExyPLORye9Zf9v+Gf+hMi/wDBlP8A40e95/gHvef4D/7K8E/9DPqf/goH/wAeo/srwT/0M+p/+Cgf/HqZ/b/hn/oTIv8AwZT/AONH9v8Ahn/oTIv/AAZT/wCNHvef4B73n+A/+yvBP/Qz6n/4KB/8eo/srwT/ANDPqf8A4KB/8epn9v8Ahn/oTIv/AAZT/wCNH9v+Gf8AoTIv/BlP/jR73n+Ae95/gP8A7K8E/wDQz6n/AOCgf/Hq0hpng3/hFWX/AISTUvK+2g7/AOyhndsPGPN9O9ZX9v8Ahn/oTIv/AAZT/wCNaQ1zw5/wirP/AMIjF5f21R5f9oTddh5zmj3vP8A97z/Aof2V4J/6GfU//BQP/j1H9leCf+hn1P8A8FA/+PUz+3/DP/QmRf8Agyn/AMaP7f8ADP8A0JkX/gyn/wAaPe8/wD3vP8DS0mfwf4fkvLy01vULy4exuIIYn00Rje8ZVTu8w4wTnOKs6jd+CNR8USa22rXa+a6yG0l0gSR52gEHEoyOPaq2iP4Y8Q3F1YL4ZSynNlPJbypfyuxlWMlFCk4YlgBjvR4gu/Cei69dadbeF4ruO3YIJ/7Rm+f5Rk8HHXNSvi63+RP2ut/kaOua54W1vTYNO/t2bT7CBzItrY6H5cZc/wARBnOTzWCmm+Co5FdfE+p5U5GdIH/x6ov7f8M/9CZF/wCDKf8Axo/t/wAM/wDQmRf+DKf/ABqlzJ3V/wAC/eff8D0LxX4z0PUoXjl1g2UupWkX2m5tdDxLMnXBYz8AkA4x261nxeL/AAlF4bbQ1uLX7I2C2fDx3M4AG8n7T97gc1i67qOiwwadcz+Cd0EtnF5czXs6qePug9DisufV/D9tIEufA6wuVDBZL+dTgjIOCehHNKztbX8BLmVrX/A62y8aaDY6fBbpr0ks1rGYra8l0LdNbof4Ubz8AfhTPD3izwr4c0+e1ttQjuftKlJ5rrQC8kqk5wxFwOM1yP8Ab/hn/oTIv/BlP/jR/b/hn/oTIv8AwZT/AONP3nffX0D3vP8AA6zTPFXhjS4JbZdXNzZvP9ojtLjQd0UEmAMoPtAx0HXPSnaX4u8Oabr9zrUmstqGo3EhkNxe6DvaMkEHbicYBBNcj/b/AIZ/6EyL/wAGU/8AjR/b/hn/AKEyL/wZT/40e95/gHvef4GnrbeCtb1J71tZnsmflo7PRNiE9zgznmneIdM8Gt4gujP4k1KOQsNyrpQYDgd/NrK/t/wz/wBCZF/4Mp/8a0vEWueHE8QXay+EYpXDDLnUJhngdgaSTSsr/gN8z7/gUP7K8E/9DPqf/goH/wAeo/srwT/0M+p/+Cgf/HqZ/b/hn/oTIv8AwZT/AONH9v8Ahn/oTIv/AAZT/wCNP3vP8Be95/gP/srwT/0M+p/+Cgf/AB6j+yvBP/Qz6n/4KB/8epn9v+Gf+hMi/wDBlP8A40f2/wCGf+hMi/8ABlP/AI0e95/gHvef4D/7K8E/9DPqf/goH/x6tTw9png5dWJg8R6jI/kTfK2lBRjy2yc+b6Vkf2/4Z/6EyL/wZT/41qeHdc8OPqxEXhGKJvs8x3DUJjx5TZHJ79KPe8/wD3vP8DO/srwT/wBDPqf/AIKB/wDHqP7K8E/9DPqf/goH/wAepn9v+Gf+hMi/8GU/+NH9v+Gf+hMi/wDBlP8A40e95/gHvef4D/7K8E/9DPqf/goH/wAeo/srwT/0M+p/+Cgf/HqZ/b/hn/oTIv8AwZT/AONH9v8Ahn/oTIv/AAZT/wCNHvef4B73n+A/+yvBP/Qz6n/4KB/8eo/srwT/ANDPqf8A4KB/8epn9v8Ahn/oTIv/AAZT/wCNH9v+Gf8AoTIv/BlP/jR73n+Ae95/ga8WmeDv+ETuVHiPUTEbyIl/7KGQdj4GPN+vNZf9leCf+hn1P/wUD/49WjFrnhw+E7px4RiEYvIgY/7Qm5Ox+c5/zmsv+3/DP/QmRf8Agyn/AMaPe8/wD3vP8B/9leCf+hn1P/wUD/49Wx8M4bCD4z6NHpF3NeWol+WaaDymJ2HPy7mxz71if2/4Z/6EyL/wZT/41tfDG5tLv4zaNLp9ithAZcCBZWkCnYcnc3PNON76/oVG99b/AIH21RRRVmhHov8AyArH/r3T/wBBFeY/FT/kZ7f/AK9V/wDQmr07Rf8AkBWP/Xun/oIryH42ak2l69ZSpbtcGRIotiH5judume9AHUWmr6jpPwqFxo1kLy5WKTgziLygEJ35IOcEDjvVUa7f638LoH8RQDT5ZIID5wlExmBVSXIUDaSc8dq4Wx8e3Ntp8cFlqdrHBjhZFG4fXJBqO58YS31u0N7qdrJG2OFKrj9a0XLvcl3LSy22lSLdWU8d7Kh4imgZQPfrRqPiM6pC0+ouqJGvMY+6PpWL/aNl/wA/lv8A9/V/xqjqH2G9MY+3W6qGy/71eR+dejgcXToXU16M8DOMsqYxJ05PzQtheXF5eO1vGEtQ3VhkmtYAkgDkmqcV5p8MSxxXVuqqMACVf8akGpWSsCL23BByD5q/41xYis69TnZ62Dwyw1FU07l65tLizkCXULwuVDAOMEg9DRPaXFqsbXELxiVdyFhjcPUVWutdivZRJd6lFM4AUM8wJwOg60txr0V2Ixc6nFKI12pumB2j0HNc51lyOxnRrWWeB1gncBWYYDjPOK7V9L0jy2jXTYw3mtEH3Nn7itnr1yxrz+TxAksMMUmpxtHB/qlMwwn05qT/AISdv+guv3t3+vHXAGevoBQ9VYFvc3oBFP4Ru8WiJJBIgEiFsvnPUZx+lW9Pt7AW+jQvpcdzLe5EsjFsgbyMjB61zcPjK5t7YW8GubIQMBFuBjH51al8aoukWlnZasIQkbLMBMoDksT6+hpiNSwg0xJLq1EVvPdmUrF9qDbCP95SMH65qpp9j5Gs3Mt6ixJYFndV5UMDhR9N2KybTxXJYQtFZ6ysMbHJVJwAT+dR/wDCRRfY5bb7db7JX3yHzF3Mfc5paoejOn0Kf7VZ6zNcXj2nmGMmZFJI5PHBFaFzp9vceI7l9QAeO1tFdGZS4m5A3kKQTnPY1wSazbxQyRR6hCscuN6iYYbHTPNTp4mMcsMqauivAu2JhOMoPQc0/wCvwD+vyOqittEv9cgFoilFhd5U2NHFuAJHUkgdM8+tU/ER09LO2itbayjuSzGVrR2ZccYGST71T0vxnbJq4u9X1MTnymjWUSqzx5BwRkjoTVrUPFWgalBDa3mrzzojM5uZPLMgzjCgb8Y/Gk9gW5T8PMV161x1Ztv5jFbsmlx6fBqEsbksYnjmVuzEk8fgRXOyaj4at087Ttan+0oQY96xqM/UOcVTbxLvSZX1ZCs53Sgzj5z6nmh6qwLe50WsT6ZZTTWKaVF/qxtmDNvVvXrjH4VG/lXHg4yLaJDJFOE3RlvnGByQTjNc3NrFtcSmSfUIZHPVmmBP86vL4zuktfs667iHbt2C4GMenWh6pguh0Y1GFfBUJ/sq0l2zspDb+DgfNw3WjT7XR7XRra51FI2N0zbi0LvtAOMKVYAHHrmuVtPE5sFkWy1dIVk++EnA3frT7TxXJYxulnrKwq5ywScDJ/Oh7th0SC68kXUn2YsYdx2buuK2dHtoItHm1CSzS9lEyQpFJnaucnPBBzxWZBfeGJYRJf6xMtw2S4jSNhn6lxTT4hstMncaFrTLFIuHLuqE+2AxoWmgPU67ULWOTxJd3F5bwCCC2iMiyxu4TKKMAKwP600RWWleMLD7PaQtHcRK+HVlCE55UZyPxJrj4vFckN01zFrKpMyhWkE4yQOAOtQz+IEubhZ7jVI5JUGFdpgSP1oWjQPVP+ux0ZA1TxMIY9NtYNjuXGHwwGSSRuz27YqXxJYWCaPaX1jGkZkleM+XGyKQMdmJPf1rnpfFs09xHcTa0Hmi+45nGV+nNR3niY6goF7qyTgHIDzg4P5+1K3upDvrcuaL/wAhu0/66itrxpJ5Xj65cmQAGPd5TbWxsXOD2rD0N1k1iyeNgytKpBU5BrZ8c6m2leO7q4juxayYQK+8Kf8AVrTEP1SSW5sdLn08y53ukSTHfLnjknuOfSq+tzSW2lQ6Zdym4u0lMkrk7vL4PyZ/HmsJ/FDSXyXkmsK1yn3ZTONw/Wn3niyXUIfKvtaWdM52vOCM/nS6DW483c9x9nimkLpD8san+EZz/Wut1NNPvr/WY3skR7YeZ5+47yd4B74xz6VwA1KyByLy3z/11X/GrB8QIzzO2qRlpxiU+cPnGc88+1ULqejfuItReGRmnjks8iMHEcMfl8kjuepplubeC905Y3eWOSACK3Q4QDnLP69q4D/hKGNh9iOsL9m6eV542/lmiLxQ8Fm1pDrCpbt1jE4wf1pf1+YdDu4Ta2yaY9tJI8LSssdvCceY2/qx9BRP9kt7PzoJHSIXj74rc4aV8L8uewrhLXxO1jA8Npq6wxv95UnAB/Wks/Ex08ubLV0gMn3tk4Gf1oA9Bv1to01CaOQ2226Q3CwcOThvkHpz/Ki7W2f7bMjmyl8iFpivLqvHA9yK8+tfEv2Kd5rTVkhkf7zJOAT+tJF4k8i8a7h1ZEuGzukE43HP40AehYtrhhLETa3JsCQ7nLhM/ePvWPrd2iaZptxZCRJVLqkkvzO68jcc/wCRXKnxJm/+2nVk+05z5vnjd+eae3il3vlvH1hTcqMLKZxuHb1oA2PFhZtWjZ8kmBMk9+Kw6lvfFUmpRql/rK3CqcgSTg4/WqP9o2X/AD+W/wD39X/GkgLNFVv7Rsv+fy3/AO/q/wCNH9o2X/P5b/8Af1f8aYFmiq39o2X/AD+W/wD39X/Gj+0bL/n8t/8Av6v+NAFmiq39o2X/AD+W/wD39X/Gj+0bL/n8t/8Av6v+NAFmtHw//wAjDZf9dl/nWL/aNl/z+W//AH9X/Gtnw6yvr1iyEMplUgg5BoA4nXf+Trr/AP6+0/8ARSV5d4e1J9L8RrMmoDTlZmV7k2q3Gwf7jDnoK9a1eyfUv2l/FdnCyrJNayIrN0BMCVw2k3XgXRb55vtWoXrFShjvdGhmQc9QDN1461zxqw9vJX1SWn32fz1XyKqaU16v9DV8bXskOueH9a0eztb9rqz2w3XkBftUoYrvMQ4VgRgDkcc5zWf8SLsPpui2uqpD/wAJHCjm/aGNU2qduxGCgAMMN27itW28c+HbTxJa61DqupCazTZawHRofJgH+wnnYHJJ+pqh4g13wT4iwbma6tZN5dpbPQ4Imcn1Im5rVy7LrczVRX17W2/r+tTJsPEt54k8ceF2v1jX7FLa2sflg8qjKoJyTzxXT6n4U8Ma3dateadNfx3NnqiRXMk7qY5RI5yVUKCuMEck1zVgfBGnajb3ttrOuia3lWWMtpsRG5Tkced6itH+3vCv2PUrYa3rQj1OZZ7jGlw53KSRg+dxyTWiqR0uut/xT/zJ5tLa9Onk/wDgHo2paPp91da94c1h7aKOKEtYWMECA2UauoEjyY3ZIOME9zV9tG0+HT/+Ed1KOCLTprYiytoolLMfswYzO+MjDEt15+leeX/jrw9qOmz2kur6nG90gS5uotGhWe4Uc4d/Oy3IB/Cr7eONEPgkW51jVMMxtDef2TF9oKeWBs3eb028fTism/dt/T31/r/IpTSadvw22/y/q7OisNIstGuNF0i5ktU0W8tdq2ywI81/K27cxYjcqgKvI9ag0/RrLwtZ6NCl1bQ6Tc3Dpcs0CSzX7mTYsS5BIGDyR0xXK2Hjnw7p+mw2sOrak8lvGYre7l0aFp4FPZH87IH+NR6P4z8NaLYRWsOq6lciB2e3kutGhke3Y8kxsZvlOTn61bmua/n96vt/WnyI5vdt/W251zaHZeEtMlvNMuLaxspNTl+2XUsKTPsAUrAisCM8npzzU994csdA/tvVPD7WunK99H59zcxrJ9jhIZiiqwxkkKPWuJ0rxl4a0uOaNtW1O/jlnNzsvtHhmCSnq6gzcE4HPsKWz8aeHba8v57jWdW1AahIJbiK+0iGWNnHRtpm6jJ596nm0t/XT/L+rspzV27fh6/5/wBWO1uvDlhBdarr3hr7Nb3M1nbyCe7jXZaqwXfMUIwCRlsEd65TxfcabpfiLw5rukwW97Lf24WSS4hChnDAecEGACckYxj2qrH408OrrN3qM+tatdG8jEU9vcaRC8Loowq7POxgYGB2xTJfFvhS48QR6td319cyQxCKG3m0SFoIVByAqedgYpxklJPp+mun9f5Bzqz9O3p/l/V2ZvxoRU+KF+saKiiOLCooUD5B0Arg69W8f634S8TapBcateX0Fy1vFI0lppEKNJlARuPm89enauT+x+Av+gxr3/gui/8AjtJS8g515/ccrXTaACfAvivj/lna/wDo8VJ9j8Bf9BjXv/BdF/8AHa3tI8TeD9D0waZbXGr3FvO1yZ5pLSNWQS2/lDaokIODzyRSlK60RMpXWiOb8FaydJ1dt+rrpUEijfMbFbrdg8LtYcdTzXVeJptRsviYz+GtKtjdalbxNaMkQk3BlB81U+6CwOSCDjJqjomp+BdDMpSa8vjJj/j+0SCbZj+7mbjrWvpnj3w/pevXWrx6vqU9zcwmBhcaNC6pHjGxQZuBjjHpV86uvIfPvp+BU8R31nN8TtB+yiE39usSahJAAEecMScBeOBtBx3BqDwx4guPFfxng1XVtkT3HneZ5KnCjyn6Ak1bg1LwVrfirTZYpru0mSYbVtNGhgVzn+LEp/OsjSrrwZoerrf2Os64J494XdpkTD5lKnjzvQmpjJLVrv8AiOc01ZX2sdFoPgvwtrGoaFqOli+aCbVDa3EF5IrCYqA3y7VGA3THJ5610k+kWHiHS7/T/EFzby6hZXkTBbaBI0s0JYCHco+YnbznkYHrXB22v+F7PTbaytdf12KO2vPtsTppkQdZcDnPnewq9q3jTw1q1j9kOq6lZxNMJ5fsWjQxGaQdGcib5iOfzNVzrTT+tP8AJ/ltcHO7b1+71/Ro7XVNGsdRPiHQNbktozbDfZWlvCi/YIlkCqzOBksVwME96dPo9j9uvfDerSWsVi9h/oFhDAm+MCMEzu+Nw+YnAJ5xXF6p448O6rps9nNq+pwm6Ci6uINGhSa5wQR5j+dluQD9aWfx14en0uSzbVtTWSWD7PLero0IuJI8Y2mTzskY4rNv3beX36bjVRXTt17bbaf1/mdjZ6TYaXcaXol7LbJpF5YBYbNIEaW8kKFmlZyNyqMZyOOlXPC+g2mgyaLZI9qNIuopxOhjV5tRcu67QSMgBcDI9K4G08c+HbPTI7SLVtSaSGEwRXj6NCbiKMjG1ZPOyBjir3hHxjoGmw/Y7PVtTna0t55Lae50mIy23ysxMb+bkc5OPWtJTTbduv3rXT+v0IUrK36fib0eiWfhPS7eaxuLaz06bUJReXMkKTSTAbdkCBgefmbpzT7zw9ZeGU1bUdCltdNgfUv9JuriJZTbQ4LeUqsCCxIAHeuN0nxn4a0m1a3/ALV1O9j84zoL3RoZfKkPVkzNwTx+QpLDxl4bs572SfV9V1EXs32iaO/0eGZDJnO8AzdfepUrf16f5f1dlOad9Pw9f8/6sjtLrw3YWFzrWt+HHtbOWWO3c3F3GrLZxsDvfawxk9cEV538WLXTP7Q0nUtJJYahZiSVzGI/MYY+faOF3ZzitCDxl4ci1a+v59Z1a8N+Atxb3WkQyQuFGFGwzY47elZmvan4Q8R6l9s1HWtb3hBGkcWlwqkaDoqr53AHpSb2/q2j0GppXvf7vT+v6ZwVFdV9j8Bf9BjXv/BdF/8AHaPsfgL/AKDGvf8Agui/+O1XMhc67fgZQ/5E1/8Ar/X/ANFmsqu8Fp4H/wCEVYf2trnk/bR839nxbt2w8Y83pis37H4C/wCgxr3/AILov/jtHMg512/A5Wiuq+x+Av8AoMa9/wCC6L/47R9j8Bf9BjXv/BdF/wDHaOZBzrt+BytFdV9j8Bf9BjXv/BdF/wDHaPsfgL/oMa9/4Lov/jtHMg512/A5WtXX/wDWaf8A9eEP/oNav2PwF/0GNe/8F0X/AMdrS1q08Dl7LztW1xf9Ci27dPiOVxwT+960cyDnXb8Dg6K6r7H4C/6DGvf+C6L/AOO0fY/AX/QY17/wXRf/AB2jmQc67fgcrRXVfY/AX/QY17/wXRf/AB2j7H4C/wCgxr3/AILov/jtHMg512/A5Wiuq+x+Av8AoMa9/wCC6L/47R9j8Bf9BjXv/BdF/wDHaOZBzrt+BleKP+RmvP8AfH/oIrKrvPENp4HOv3RuNW1xZNw3BNPiIHA7+bWb9j8Bf9BjXv8AwXRf/HaOZBzrt+BytdNrQP8Awr3wxx/y0vP/AENKk+x+Av8AoMa9/wCC6L/47W9qHibwfqmhtos9xq8NrEtoIZ0tI2djDG6NuXzABneDwT0qXLVWRMpXasiT4V6wjXEOk3upQsk0hii0qWwRluSwwAZyMpknFR+CbrWLTxBcWNpZ2drY2tw8upTywq6rFn7rMwIAHOMY61JpPifwdotikGn3F3HPGDsvjocBuEJ7iTzsgjsataV458MaToM2ji8u7y0nm8+UXmhQSl39STNz3/Or51zXX9f1/Vg5la2u5gaLrlvYfFC/1Pw5EsdoReG2jcHAQxyY/Q1Y8Fvps3g/xZNr/wBoNsXtndLYhXc73O0EggZ9SDU+nHwTfeJJbqC/1SGSSGY+TDpcUUajy2zgCU44zxVG0vPBtlpN7p0Gta4Le+KGYHTIiTsJIwfO46mpjJKFrdLfjc0lUTlfXe+x2ug+CdP0vVNTvfDx8x10mK7sv7R2v9m8wruduAp2rkdMc1t2+gaVrdxpmuaf5OpanHYXG2SSJY47qaPftl2AAbQQPYha4aHxl4dg1GG8Gt6u5js1smhfSYTHLCuMK6+d83QH8KfL428Pya1a6jHrerwG0iMMNtDpEKQLGc7k2edjBycjvk1UpJ7X/wAt/wDP+rIhS7rt032v+T/pnZ2nh/SPE39iXd1NBqmo211LFLLHCsUdywUEIAoAIU9/eoE0XT/FNhbR6/dW97qlnqcSzG2hSONN3JtwVA3dcE9eK5G88Z+Hbq8sJ4dZ1axGnsXt4bLSIYo0Y/eO0TdTgZo1Txj4a1OO3jTVdT0+O3uBcqlho8MKmUdHIE3J96Skrp26r81+f9dQ5tLa7Pp6/lf+rI66/wBJsdc0/WNK1+6tmvLOdHiitoERbCPcQELgZZmCjIPtWzfaDZXel+JdB1c2sVvCy/YbSCNQbJFOFd2AySQcYPrXnOr+M/DWr6c9nJqmpWqTSCSd7TRoYnuGHQuRN8xrTu/Gmhal4MvopdX1OMXE0UN1dxaTEk9x8rEB2835umcn0qXL3bf1stfkUpq99fu212+Z0x0awhv28Oak1rFps2mAWVjFChkY+SGNw743D5iSOccVHYaRZaNcaLpFzJapot5a7VtlgR5r+Vt25ixG5VAVeR61x58d+HzpZs/7Y1PzWt/spvf7Gh+0mLGNnmednGOPpSWHjnw7p+mw2sOrak8lvGYre7l0aFp4FPZH87IH+NU5K76/rv8A5/1ZE82iX6bbf5f1dieF5IItL8Y6HHZ2jQWVtKy3Hl7pJCJQASxzjA44xXldep6B408J+HNPmtLK4uJluFKTS3OgwSSSqTnazGbkZrnLqPwHd3ck51PWYfMbPlw6XCqL7AedwKm/vJ+SX3X/AMy3UTT06t7ehx9FdV9j8Bf9BjXv/BdF/wDHaPsfgL/oMa9/4Lov/jtVzInnXb8DK13/AFel/wDXhH/6E1ZVd5rFp4HKad52ra4uLJNm3T4jlctgn97wazfsfgL/AKDGvf8Agui/+O0cyDnXb8DlaK6r7H4C/wCgxr3/AILov/jtH2PwF/0GNe/8F0X/AMdo5kHOu34HK0V1X2PwF/0GNe/8F0X/AMdo+x+Av+gxr3/gui/+O0cyDnXb8Dla1fE3/IwT/wC5H/6LWtX7H4C/6DGvf+C6L/47Wl4gtPA51uY3Gra4sm2PITT4iPuLjnzfSjmQc67fgcHRXVfY/AX/AEGNe/8ABdF/8do+x+Av+gxr3/gui/8AjtHMg512/A5Wiuq+x+Av+gxr3/gui/8AjtH2PwF/0GNe/wDBdF/8do5kHOu34HK1q+Gf+Rgg/wByT/0W1av2PwF/0GNe/wDBdF/8drS8P2ngca3CbfVtcaTbJgPp8QH3Gzz5vpRzIOddvwODorqvsfgL/oMa9/4Lov8A47R9j8Bf9BjXv/BdF/8AHaOZBzrt+BytFdV9j8Bf9BjXv/BdF/8AHaPsfgL/AKDGvf8Agui/+O0cyDnXb8DlaK6r7H4C/wCgxr3/AILov/jtH2PwF/0GNe/8F0X/AMdo5kHOu34GZZ/8ihqf/Xzb/wApKyK761tPBH/CMagF1bXDF58O9jp8W4HD4wPN+tZf2PwF/wBBjXv/AAXRf/HaOZBzrt+BytFdV9j8Bf8AQY17/wAF0X/x2j7H4C/6DGvf+C6L/wCO0cyDnXb8DlaK6r7H4C/6DGvf+C6L/wCO0fY/AX/QY17/AMF0X/x2jmQc67fgcrWvN/yJlp/1/S/+gJWn9j8Bf9BjXv8AwXRf/Ha05bTwR/wilsDq2ueT9sl2t/Z8W4tsTIx5vTpRzIOddvwOCorqvsfgL/oMa9/4Lov/AI7R9j8Bf9BjXv8AwXRf/HaOZBzrt+BytFdV9j8Bf9BjXv8AwXRf/HaPsfgL/oMa9/4Lov8A47RzIOddvwOVorqvsfgL/oMa9/4Lov8A47R9j8Bf9BjXv/BdF/8AHaOZBzrt+BmeJ/8AkND/AK9oP/RS1kV33iG08EHVh9o1bXFfyIeE0+IjHlrj/lr6YrL+x+Av+gxr3/gui/8AjtHMg512/A5Wiuq+x+Av+gxr3/gui/8AjtH2PwF/0GNe/wDBdF/8do5kHOu34HK0V1X2PwF/0GNe/wDBdF/8do+x+Av+gxr3/gui/wDjtHMg512/AyvC/wDyM1n/AL5/9BNZVd54etPA41+1Nvq2uNJuO0Pp8QB4PfzazfsfgL/oMa9/4Lov/jtHMg512/A5Wiuq+x+Av+gxr3/gui/+O0fY/AX/AEGNe/8ABdF/8do5kHOu34HK0V1X2PwF/wBBjXv/AAXRf/HaPsfgL/oMa9/4Lov/AI7RzIOddvwOVrV0D/Wah/14Tf8AoNav2PwF/wBBjXv/AAXRf/Ha0tFtPA4e98nVtcb/AEKXdu0+IYXHJH73rRzIOddvwODorqvsfgL/AKDGvf8Agui/+O0fY/AX/QY17/wXRf8Ax2jmQc67fgcrRXVfY/AX/QY17/wXRf8Ax2j7H4C/6DGvf+C6L/47RzIOddvwOVorqvsfgL/oMa9/4Lov/jtH2PwF/wBBjXv/AAXRf/HaOZBzrt+BlH/kTU/6/wBv/RYrKrvDaeB/+EVUf2trnk/bT839nxbt2wcY83pis37H4C/6DGvf+C6L/wCO0cyDnXb8DlaK6r7H4C/6DGvf+C6L/wCO0fY/AX/QY17/AMF0X/x2jmQc67fgcrRXVfY/AX/QY17/AMF0X/x2j7H4C/6DGvf+C6L/AOO0cyDnXb8Dla1/En/H9a/9eNv/AOi1rT+x+Av+gxr3/gui/wDjtamvWngg3lv9o1bXFb7HBgJp8R+Xyxg/63rijmQc67fgcDRXVfY/AX/QY17/AMF0X/x2j7H4C/6DGvf+C6L/AOO0cyDnXb8DlaK6r7H4C/6DGvf+C6L/AOO0fY/AX/QY17/wXRf/AB2jmQc67fgcrWt4W/5GvTf+vhf51qfY/AX/AEGNe/8ABdF/8drS8O2ngceJLA2+ra40vnLsV9PiAJ9z5tHMg512/A4WT/WN9TTa6t7PwH5jZ1jXs5/6B0X/AMdpPsfgL/oMa9/4Lov/AI7RzIOddvwOVorqvsfgL/oMa9/4Lov/AI7R9j8Bf9BjXv8AwXRf/HaOZBzrt+BytFdV9j8Bf9BjXv8AwXRf/HaPsfgL/oMa9/4Lov8A47RzIOddvwMzw3/x/XX/AF43H/otqyK77QbTwQLy4+z6trjN9jnyH0+IfL5Zyf8AW9cVl/Y/AX/QY17/AMF0X/x2jmQc67fgcrRXVfY/AX/QY17/AMF0X/x2j7H4C/6DGvf+C6L/AOO0cyDnXb8DlaK6r7H4C/6DGvf+C6L/AOO0fY/AX/QY17/wXRf/AB2jmQc67fgcrWqP+RNf/r/X/wBFmtX7H4C/6DGvf+C6L/47WkLTwP8A8Iqw/tbXPJ+2j5v7Pi3bth4x5vTFHMg512/A4Oiuq+x+Av8AoMa9/wCC6L/47R9j8Bf9BjXv/BdF/wDHaOZBzrt+BV8Bf8lE8P8AtqMBP/fwVQluZLLxNLPFJ5MkdyxDlA+35jztPB+ldPpd/wCDNBN7dWF/rN1cy2NxbRRzWUaLukjKAlhISMZz0q1fav4H1DxQ+uy3Wq+ZI6yNay6ZFLFkKBggyjI4pRlad7EOXvbF/wAXX0Wp+BtO1SCe311rO/CzXrWYtTyCREY1xkH1qLxFqNzJ8M9viyC3j1G6nWTTIUgSN4oRwSQACVPQE56GlvfFXhO8a0C31/aW9pMJ0tLXRIY4WcdGZBNgmp/EXjTwl4oSU6pLN58oAa5i0CBJRgYGG87jihyVmkv60/y+40jNJpu+n/B/zOY8TeI7y68N6DoMixi0s7ZJo2AO4sw5yc13PiHw74d8Q6rPbyy366vDoMV2siMohXy7VW2FSuTkL1BHWuV1m18EeZY+dq2uKRZRbdunxHK44J/e9avr4r8NLqsuoDW9Y8+ay+wsf7Jhx5Xl+X087rt703JcrVtdfy0CM0n1/ppv9TuNK0qz0n+wtLvJLWPR72zUC1WBHmv5mzuYsRuVRgcj1qPT9GsvC1no0KXVtDpNzcOlyzQJLNfuZNixLkEgYPJHTFcrYeOfDun6bDaw6tqTyW8Zit7uXRoWngQ/wo/nZAqPR/GfhrRbCK1h1XUrkQOz28l1o0Mj27HkmNjN8pyc/Wm5pyv5/er7fL7vkRze7bX+ludc2h2XhLTJbzTLi2sbKTU5ftl1LCkz7AFKwIrAjPJ6c81PfeHLHQP7b1Tw+1rpyvfR+fc3MayfY4SGYoqsMZJCj1ridK8ZeGtLjmjbVtTv45Zzc7L7R4Zgkp6uoM3BOBz7Cls/Gnh22vL+e41nVtQGoSCW4ivtIhljZx0baZuoyefep5tLf10/y/q7Kc1du34ev+f9WO1uvDlhBdarr3hr7Nb3M1nbyCe7jXZaqwXfMUIwCRlsEd6uat4a0+58SSa7pKQTan/ZRkRp0URtICP35XpjB+lefR+NPDq6zd6jPrWrXRvIxFPb3GkQvC6KMKuzzsYGBgdsVd1rxdoMPjebUZta1YTRxC2+zDS4mg8rAPl7TKMr7UubX7/lo9Px/rQfOrfd032/y/rU6e00DSPEFxo+rQyQ6rqMMNyplMKxR3cqK21tqgDapA57gUWOg6R4qXRpNTmh1PUbXUjDPJFCsUcxwp8kBQAwXPXrya4qfxn4dl1ayvoda1a0+woUt7e20iGOFFYYZdgmxg5OfXJpb7xp4dvJrF4NZ1bT1sJTNBFYaRDCiyHq+BN1OBz7VXOr/wDA21vf5k82n/D9tjW8XWtvqfw81WTV7i3uNZ025RibWFI47YNkeSCoG49znkba8Yr03XfFnhbXtO+wzanqVpbGXzpIrLRoYhK+CNzYm5PJ/Ouc+x+Av+gxr3/gui/+O1EXZvT+rFuorLf7vM5Wtfwx/wAho/8AXtP/AOimrT+x+Av+gxr3/gui/wDjtanh608EDVj9n1bXGfyJuH0+IDHltn/lr6Zq+ZE867fgcDRXVfY/AX/QY17/AMF0X/x2j7H4C/6DGvf+C6L/AOO0cyDnXb8DlaK6r7H4C/6DGvf+C6L/AOO0fY/AX/QY17/wXRf/AB2jmQc67fgcrRXVfY/AX/QY17/wXRf/AB2j7H4C/wCgxr3/AILov/jtHMg512/AzIf+RLu/+v6H/wBAkrIrvorTwR/wilyBq2ueT9si3N/Z8W4NsfAx5vTrWX9j8Bf9BjXv/BdF/wDHaOZBzrt+Bytdr8H/APkrGif9dm/9BNVPsfgL/oMa9/4Lov8A47Wx8M006P40aMuiz3M9p5vyvcxLG5Ow5yoYjr70KVxqVz7YoooqiiPRf+QFY/8AXun/AKCK8h+NunS6nr1jFBP9neNIpfMAyRtdume9evaL/wAgKx/690/9BFeY/FT/AJGe3/69V/8AQmoA85TRNMSMKbG3kIHLyRh2b3JPJP1p39jaX/0DbT/vwv8AhV2igCl/Y2l/9A20/wC/C/4Uf2Npf/QNtP8Avwv+FXaKAKX9jaX/ANA20/78L/hR/Y2l/wDQNtP+/C/4VdooApf2Npf/AEDbT/vwv+FH9jaX/wBA20/78L/hV2igCl/Y2l/9A20/78L/AIUf2Npf/QNtP+/C/wCFXaKAKX9jaX/0DbT/AL8L/hR/Y2l/9A20/wC/C/4VdooApf2Npf8A0DbT/vwv+FH9jaX/ANA20/78L/hV2igCl/Y2l/8AQNtP+/C/4Uf2Npf/AEDbT/vwv+FXaKAKX9jaX/0DbT/vwv8AhR/Y2l/9A20/78L/AIVdooApf2Npf/QNtP8Avwv+FH9jaX/0DbT/AL8L/hV2igCl/Y2l/wDQNtP+/C/4Uf2Npf8A0DbT/vwv+FXaKAKX9jaX/wBA20/78L/hR/Y2l/8AQNtP+/C/4VdooApf2Npf/QNtP+/C/wCFH9jaX/0DbT/vwv8AhV2igCl/Y2l/9A20/wC/C/4Uf2Npf/QNtP8Avwv+FXaKAKX9jaX/ANA20/78L/hR/Y2l/wDQNtP+/C/4VdooAt6DGkWr2UcSKiLIoVVGAB9K0viNaW134yu1ureKcL5ZAkQNj5F9aoaL/wAhu0/66itXx9/yOl79I/8A0BaAOP8A7G0v/oG2n/fhf8KP7G0v/oG2n/fhf8Ku0UAUv7G0v/oG2n/fhf8ACj+xtL/6Btp/34X/AAq7RQBS/sbS/wDoG2n/AH4X/Cj+xtL/AOgbaf8Afhf8Ku0UAUv7G0v/AKBtp/34X/Cj+xtL/wCgbaf9+F/wq7RQBS/sbS/+gbaf9+F/wo/sbS/+gbaf9+F/wq7RQBS/sbS/+gbaf9+F/wAKP7G0v/oG2n/fhf8ACrtFAFL+xtL/AOgbaf8Afhf8KP7G0v8A6Btp/wB+F/wq7RQBS/sbS/8AoG2n/fhf8KP7G0v/AKBtp/34X/CrtFAFL+xtL/6Btp/34X/Cj+xtL/6Btp/34X/CrtFAFL+xtL/6Btp/34X/AAo/sbS/+gbaf9+F/wAKu0UAUv7G0v8A6Btp/wB+F/wrd8OIseu2CRqERZVCqowAPSs+tHw//wAjDZf9dl/nQBz6f8nZeIP+uT/+iUrwCb/Xyf7x/nXv6f8AJ2XiD/rk/wD6JSvAJv8AXyf7x/nXl0f+RjW/ww/OZvL+DH1f6DKKKK9QwCiiigArVP8AyJqf9f7f+ixWVWqf+RNT/r/b/wBFigDKooooAKKKKACiiigDX8Sf8f1r/wBeNv8A+i1rIrX8Sf8AH9a/9eNv/wCi1rIoAKKKKACiiigDV8Lf8jVpv/Xwv86zJP8AWN9TWn4W/wCRq03/AK+F/nWZJ/rG+poAbRRRQAUUUUAFa/hv/j+uv+vG4/8ARbVkVr+G/wDj+uv+vG4/9FtQBkUUUUAFFFFABRRRQBqj/kTX/wCv9f8A0Wayq1R/yJr/APX+v/os1lUAFFFFABRRRQAVq6//AKzT/wDrwh/9BrKrV1//AFmn/wDXhD/6DQBlUUUUAFFFFABRRRQBq+KP+RmvP98f+gisqtXxR/yM15/vj/0EVlUAFFFFABRRRQBr+GP+Q0f+vaf/ANFNWRWv4Y/5DR/69p//AEU1ZFABRRRQAUUUUAFa8P8AyJd3/wBf0X/oD1kVrw/8iXd/9f0X/oD0AZFFFFABRRRQAUUUUAauu/6vS/8Arwj/APQmrKrV13/V6X/14R/+hNWVQAUUUUAFFFFABWr4m/5GCf8A3I//AEWtZVavib/kYJ/9yP8A9FrQBlUUUUAFFFFABWr4Z/5GCD/ck/8ARbVlVq+Gf+Rgg/3JP/RbUAZVFFFABRRRQAUUUUAa9n/yKGp/9fNv/KSsitez/wCRQ1P/AK+bf+UlZFABRRRQAUUUUAFa83/ImWn/AF/S/wDoCVkVrzf8iZaf9f0v/oCUAZFFFFABRRRQAUUUUAa/if8A5DQ/69oP/RS1kVr+J/8AkND/AK9oP/RS1kUAFFFFABRRRQBq+F/+Rms/98/+gmsqtXwv/wAjNZ/75/8AQTWVQAUUUUAFFFFABWroH+s1D/rwm/8AQayq1dA/1mof9eE3/oNAGVRRRQAUUUUAFFFFAGqf+RNT/r/b/wBFisqtU/8AImp/1/t/6LFZVABRRRQAUUUUAFa/iT/j+tf+vG3/APRa1kVr+JP+P61/68bf/wBFrQBkUUUUAFFFFABWt4W/5GvTf+vhf51k1reFv+Rr03/r4X+dAGXJ/rG+pptOk/1jfU02gAooooAKKKKANfw3/wAf11/143H/AKLasitfw3/x/XX/AF43H/otqyKACiiigAooooAK1R/yJr/9f6/+izWVWqP+RNf/AK/1/wDRZoAyqKKKACiiigAooooA1df/ANZp/wD14Q/+g1lVq6//AKzT/wDrwh/9BrKoAKKKKACiiigArV8Uf8jNef74/wDQRWVWr4o/5Ga8/wB8f+gigDKooooAKKKKACtfwx/yGj/17T/+imrIrX8Mf8ho/wDXtP8A+imoAyKKKKACiiigAooooA14f+RLu/8Ar+h/9AkrIrXh/wCRLu/+v6H/ANAkrIoAK7X4P/8AJWNE/wCuzf8AoJriq7X4P/8AJWNE/wCuzf8AoJoA+5aKKKAI9F/5AVj/ANe6f+givMfip/yM9v8A9eq/+hNXp2i/8gKx/wCvdP8A0EV5j8VP+Rnt/wDr1X/0JqAOIooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigC9ov/IbtP+uorV8ff8jpe/SP/wBAWsrRf+Q3af8AXUVq+Pv+R0vfpH/6AtAHOUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFaPh//AJGGy/67L/Os6tHw/wD8jDZf9dl/nQBz6f8AJ2XiD/rk/wD6JSvAJv8AXyf7x/nXv6f8nZeIP+uT/wDolK8Am/18n+8f515dH/kY1v8ADD85m8v4MfV/oMooor1DAKKKKACtU/8AImp/1/t/6LFZVap/5E1P+v8Ab/0WKAMqiiigAooooAKKKKANfxJ/x/Wv/Xjb/wDotayK1/En/H9a/wDXjb/+i1rIoAKKKKACiiigDV8Lf8jVpv8A18L/ADrMk/1jfU1p+Fv+Rq03/r4X+dZkn+sb6mgBtFFFABRRRQAVr+G/+P66/wCvG4/9FtWRWv4b/wCP66/68bj/ANFtQBkUUUUAFFFFABRRRQBqj/kTX/6/1/8ARZrKrVH/ACJr/wDX+v8A6LNZVABRRRQAUUUUAFauv/6zT/8Arwh/9BrKrV1//Waf/wBeEP8A6DQBlUUUUAFFFFABRRRQBq+KP+RmvP8AfH/oIrKrV8Uf8jNef74/9BFZVABRRRQAUUUUAa/hj/kNH/r2n/8ARTVkVr+GP+Q0f+vaf/0U1ZFABRRRQAUUUUAFa8P/ACJd3/1/Rf8AoD1kVrw/8iXd/wDX9F/6A9AGRRRRQAUUUUAFFFFAGrrv+r0v/rwj/wDQmrKrV13/AFel/wDXhH/6E1ZVABRRRQAUUUUAFavib/kYJ/8Acj/9FrWVWr4m/wCRgn/3I/8A0WtAGVRRRQAUUUUAFavhn/kYIP8Ack/9FtWVWr4Z/wCRgg/3JP8A0W1AGVRRRQAUUUUAFFFFAGvZ/wDIoan/ANfNv/KSsitez/5FDU/+vm3/AJSVkUAFFFFABRRRQAVrzf8AImWn/X9L/wCgJWRWvN/yJlp/1/S/+gJQBkUUUUAFFFFABRRRQBr+J/8AkND/AK9oP/RS1kVr+J/+Q0P+vaD/ANFLWRQAUUUUAFFFFAGr4X/5Gaz/AN8/+gmsqtXwv/yM1n/vn/0E1lUAFFFFABRRRQAVq6B/rNQ/68Jv/Qayq1dA/wBZqH/XhN/6DQBlUUUUAFFFFABRRRQBqn/kTU/6/wBv/RYrKrVP/Imp/wBf7f8AosVlUAFFFFABRRRQAVr+JP8Aj+tf+vG3/wDRa1kVr+JP+P61/wCvG3/9FrQBkUUUUAFFFFABWt4W/wCRr03/AK+F/nWTWt4W/wCRr03/AK+F/nQBlyf6xvqabTpP9Y31NNoAKKKKACiiigDX8N/8f11/143H/otqyK1/Df8Ax/XX/Xjcf+i2rIoAKKKKACiiigArVH/Imv8A9f6/+izWVWqP+RNf/r/X/wBFmgDKooooAKKKKACiiigDV1//AFmn/wDXhD/6DWVWrr/+s0//AK8If/QayqACiiigAooooAK1fFH/ACM15/vj/wBBFZVavij/AJGa8/3x/wCgigDKooooAKKKKACtfwx/yGj/ANe0/wD6Kasitfwx/wAho/8AXtP/AOimoAyKKKKACiiigAooooA14f8AkS7v/r+h/wDQJKyK14f+RLu/+v6H/wBAkrIoAK7X4P8A/JWNE/67N/6Ca4qu1+D/APyVjRP+uzf+gmgD7looooAj0X/kBWP/AF7p/wCgivMfip/yM9v/ANeq/wDoTV6dov8AyArH/r3T/wBBFeY/FT/kZ7f/AK9V/wDQmoA4iiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAL2i/8hu0/wCuorV8ff8AI6Xv0j/9AWsrRf8AkN2n/XUVq+Pv+R0vfpH/AOgLQBzlFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWj4f/5GGy/67L/Os6tHw/8A8jDZf9dl/nQBz6f8nZeIP+uT/wDolK8Am/18n+8f517+n/J2XiD/AK5P/wCiUrwCb/Xyf7x/nXl0f+RjW/ww/OZvL+DH1f6DKKKK9QwCiiigArVP/Imp/wBf7f8AosVlVqn/AJE1P+v9v/RYoAyqKKKACiiigAooooA1/En/AB/Wv/Xjb/8AotayK1/En/H9a/8AXjb/APotayKACiiigAooooA1fC3/ACNWm/8AXwv86zJP9Y31Nafhb/katN/6+F/nWZJ/rG+poAbRRRQAUUUUAFa/hv8A4/rr/rxuP/RbVkVr+G/+P66/68bj/wBFtQBkUUUUAFFFFABRRRQBqj/kTX/6/wBf/RZrKrVH/Imv/wBf6/8Aos1lUAFFFFABRRRQAVq6/wD6zT/+vCH/ANBrKrV1/wD1mn/9eEP/AKDQBlUUUUAFFFFABRRRQBq+KP8AkZrz/fH/AKCKyq1fFH/IzXn++P8A0EVlUAFFFFABRRRQBr+GP+Q0f+vaf/0U1ZFa/hj/AJDR/wCvaf8A9FNWRQAUUUUAFFFFABWvD/yJd3/1/Rf+gPWRWvD/AMiXd/8AX9F/6A9AGRRRRQAUUUUAFFFFAGrrv+r0v/rwj/8AQmrKrV13/V6X/wBeEf8A6E1ZVABRRRQAUUUUAFavib/kYJ/9yP8A9FrWVWr4m/5GCf8A3I//AEWtAGVRRRQAUUUUAFavhn/kYIP9yT/0W1ZVavhn/kYIP9yT/wBFtQBlUUUUAFFFFABRRRQBr2f/ACKGp/8AXzb/AMpKyK17P/kUNT/6+bf+UlZFABRRRQAUUUUAFa83/ImWn/X9L/6AlZFa83/ImWn/AF/S/wDoCUAZFFFFABRRRQAUUUUAa/if/kND/r2g/wDRS1kVr+J/+Q0P+vaD/wBFLWRQAUUUUAFFFFAGr4X/AORms/8AfP8A6Cayq1fC/wDyM1n/AL5/9BNZVABRRRQAUUUUAFaugf6zUP8Arwm/9BrKrV0D/Wah/wBeE3/oNAGVRRRQAUUUUAFFFFAGqf8AkTU/6/2/9FisqtU/8ian/X+3/osVlUAFFFFABRRRQAVr+JP+P61/68bf/wBFrWRWv4k/4/rX/rxt/wD0WtAGRRRRQAUUUUAFa3hb/ka9N/6+F/nWTWt4W/5GvTf+vhf50AZcn+sb6mm06T/WN9TTaACiiigAooooA1/Df/H9df8AXjcf+i2rIrX8N/8AH9df9eNx/wCi2rIoAKKKKACiiigArVH/ACJr/wDX+v8A6LNZVao/5E1/+v8AX/0WaAMqiiigAooooAKKKKANXX/9Zp//AF4Q/wDoNZVauv8A+s0//rwh/wDQayqACiiigAooooAK1fFH/IzXn++P/QRWVWr4o/5Ga8/3x/6CKAMqiiigAooooAK1/DH/ACGj/wBe0/8A6Kasitfwx/yGj/17T/8AopqAMiiiigAooooAKKKKANeH/kS7v/r+h/8AQJKyK14f+RLu/wDr+h/9AkrIoAK7X4P/APJWNE/67N/6Ca4qu1+D/wDyVjRP+uzf+gmgD7looooAj0X/AJAVj/17p/6CK8x+Kn/Iz2//AF6r/wChNXp2i/8AICsf+vdP/QRXmPxU/wCRnt/+vVf/AEJqAOIooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigC9ov8AyG7T/rqK1fH3/I6Xv0j/APQFrK0X/kN2n/XUVq+Pv+R0vfpH/wCgLQBzlFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWj4f8A+Rhsv+uy/wA6zq0fD/8AyMNl/wBdl/nQBz6f8nZeIP8Ark//AKJSvAJv9fJ/vH+de/p/ydl4g/65P/6JSvAJv9fJ/vH+deXR/wCRjW/ww/OZvL+DH1f6DKKKK9QwCiiigArVP/Imp/1/t/6LFZVap/5E1P8Ar/b/ANFigDKooooAKKKKACiiigDX8Sf8f1r/ANeNv/6LWsitfxJ/x/Wv/Xjb/wDotayKACiiigAooooA1fC3/I1ab/18L/OsyT/WN9TWn4W/5GrTf+vhf51mSf6xvqaAG0UUUAFFFFABWv4b/wCP66/68bj/ANFtWRWv4b/4/rr/AK8bj/0W1AGRRRRQAUUUUAFFFFAGqP8AkTX/AOv9f/RZrKrVH/Imv/1/r/6LNZVABRRRQAUUUUAFauv/AOs0/wD68If/AEGsqtXX/wDWaf8A9eEP/oNAGVRRRQAUUUUAFFFFAGr4o/5Ga8/3x/6CKyq1fFH/ACM15/vj/wBBFZVABRRRQAUUUUAa/hj/AJDR/wCvaf8A9FNWRWv4Y/5DR/69p/8A0U1ZFABRRRQAUUUUAFa8P/Il3f8A1/Rf+gPWRWvD/wAiXd/9f0X/AKA9AGRRRRQAUUUUAFFFFAGrrv8Aq9L/AOvCP/0Jqyq1dd/1el/9eEf/AKE1ZVABRRRQAUUUUAFavib/AJGCf/cj/wDRa1lVq+Jv+Rgn/wByP/0WtAGVRRRQAUUUUAFavhn/AJGCD/ck/wDRbVlVq+Gf+Rgg/wByT/0W1AGVRRRQAUUUUAFFFFAGvZ/8ihqf/Xzb/wApKyK17P8A5FDU/wDr5t/5SVkUAFFFFABRRRQAVrzf8iZaf9f0v/oCVkVrzf8AImWn/X9L/wCgJQBkUUUUAFFFFABRRRQBr+J/+Q0P+vaD/wBFLWRWv4n/AOQ0P+vaD/0UtZFABRRRQAUUUUAavhf/AJGaz/3z/wCgmsqtXwv/AMjNZ/75/wDQTWVQAUUUUAFFFFABWroH+s1D/rwm/wDQayq1dA/1mof9eE3/AKDQBlUUUUAFFFFABRRRQBqn/kTU/wCv9v8A0WKyq1T/AMian/X+3/osVlUAFFFFABRRRQAVr+JP+P61/wCvG3/9FrWRWv4k/wCP61/68bf/ANFrQBkUUUUAFFFFABWt4W/5GvTf+vhf51k1reFv+Rr03/r4X+dAGXJ/rG+pptOk/wBY31NNoAKKKKACiiigDX8N/wDH9df9eNx/6Lasitfw3/x/XX/Xjcf+i2rIoAKKKKACiiigArVH/Imv/wBf6/8Aos1lVqj/AJE1/wDr/X/0WaAMqiiigAooooAKKKKANXX/APWaf/14Q/8AoNZVauv/AOs0/wD68If/AEGsqgAooooAKKKKACtXxR/yM15/vj/0EVlVq+KP+RmvP98f+gigDKooooAKKKKACtfwx/yGj/17T/8AopqyK1/DH/IaP/XtP/6KagDIooooAKKKKACiiigDXh/5Eu7/AOv6H/0CSsiteH/kS7v/AK/of/QJKyKACu1+D/8AyVjRP+uzf+gmuKrtfg//AMlY0T/rs3/oJoA+5aKKKAI9F/5AVj/17p/6CK8x+Kn/ACM9v/16r/6E1FFAHEUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBe0X/kN2n/XUVq+Pv8AkdL36R/+gLRRQBzlFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWj4f/5GGy/67L/OiigDn0/5Oy8Qf9cn/wDRKV4BN/r5P94/zoory6P/ACMa3+GH5zN5fwY+r/QZRRRXqGAUUUUAFap/5E1P+v8Ab/0WKKKAMqiiigAooooAKKKKANfxJ/x/Wv8A142//otayKKKACiiigAooooA1fC3/I1ab/18L/OsyT/WN9TRRQA2iiigAooooAK1/Df/AB/XX/Xjcf8AotqKKAMiiiigAooooAKKKKANUf8AImv/ANf6/wDos1lUUUAFFFFABRRRQAVq6/8A6zT/APrwh/8AQaKKAMqiiigAooooAKKKKANXxR/yM15/vj/0EVlUUUAFFFFABRRRQBr+GP8AkNH/AK9p/wD0U1ZFFFABRRRQAUUUUAFa8P8AyJd3/wBf0X/oD0UUAZFFFFABRRRQAUUUUAauu/6vS/8Arwj/APQmrKoooAKKKKACiiigArV8Tf8AIwT/AO5H/wCi1oooAyqKKKACiiigArV8M/8AIwQf7kn/AKLaiigDKooooAKKKKACiiigDXs/+RQ1P/r5t/5SVkUUUAFFFFABRRRQAVrzf8iZaf8AX9L/AOgJRRQBkUUUUAFFFFABRRRQBr+J/wDkND/r2g/9FLWRRRQAUUUUAFFFFAGr4X/5Gaz/AN8/+gmsqiigAooooAKKKKACtXQP9ZqH/XhN/wCg0UUAZVFFFABRRRQAUUUUAap/5E1P+v8Ab/0WKyqKKACiiigAooooAK1/En/H9a/9eNv/AOi1oooAyKKKKACiiigArW8Lf8jXpv8A18L/ADoooAy5P9Y31NNoooAKKKKACiiigDX8N/8AH9df9eNx/wCi2rIoooAKKKKACiiigArVH/Imv/1/r/6LNFFAGVRRRQAUUUUAFFFFAGrr/wDrNP8A+vCH/wBBrKoooAKKKKACiiigArV8Uf8AIzXn++P/AEEUUUAZVFFFABRRRQAVr+GP+Q0f+vaf/wBFNRRQBkUUUUAFFFFABRRRQBrw/wDIl3f/AF/Q/wDoElZFFFABXa/B/wD5Kxon/XZv/QTRRQB9y0UUUAf/2Q==)

Figure 13 MIPS.v Write back simuation

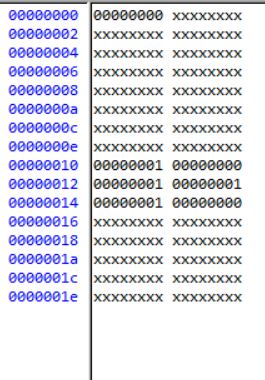


Figure 13 Register

Write back stage에서는 레지스터를 ALU 연산 결과 또는 메모리에서 읽은 데이터 값으로 업데이트한다. 레지스터에 쓸 데이터는 MemToReg control signal이 결정하고, register에 값을 쓰는지는 MemWrite control signal이 결정한다. Reg\_Write\_data는 레지스터에 쓸 값으로 MemToReg이 1이면 DM\_Read\_data로, 0이면 ALU\_result가 된다. Register 모듈은 Reg\_Write\_data를 입력받아 MemWrite가 1이면 레지스터의 Reg\_write\_addr에 Reg\_write\_data를 쓴다.

0번째 명령인 ‘lw s0 0($zero)’는 lw이므로 MemToReg 값이 1이 된다. 따라서 Reg\_Write\_data는 메모리에서 읽은 DM\_Read\_data인 1이 된다. Reg\_write\_addr은 s0의 주소인 10000이며 Register의 10000 주소에 1을 쓴다.

II. 오류 분석

III. 오류 정정 및 검증

IV. 파이프라이닝 설계 추가 및 검증