

```
/**
 * Project 1: Operating System Simulation
 * CPSC 315: Systems Software
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 */
```

```
/**
 * File: Simulation Test Cases
 * Testing document
 */
```

Test Case 1: Testing with 1 HP process

```
input.txt:
3
6
A
HP
1
4
2
1
6
5
-1
```

Test Case 2: Testing with 1 LP process (without migration)

```
input.txt:
2
4
A
LP
0
4
3
3
-1
```

Test Case 3: Testing with 1 LP process (with migration)

input.txt:

2
3
A
LP
0
10
3
5
6
3
-1

Test Case 4: Testing with 1 HP and 1 LP process (without migration)

input.txt:

3
6
A
HP
0
3
4
5
-1
B
LP
5
6
2
3
1
4
-1

Test Case 5: Testing with 1 HP and 1 LP process (with migration)

input.txt:

2

2

A

HP

0

3

4

5

-1

B

LP

5

10

3

5

2

4

-1

Test Case 6: Testing with 1 HP and 2 LP process (without migration)

Input.txt:

3
6
A
HP
0
3
4
5
-1
B
LP
5
6
2
3
1
4
-1
C
LP
7
4
3
8
1
4
-1

Test Case 7: Testing with 1 HP and 2 LP process (with migration)

Input.txt:

3
6
A
HP
0
3
4
5
-1
B
LP
5
6
2
3
1
4
-1
C
LP
7
12
3
8
1
4
-1

Test Case 8: Testing with 2 HP and 3 LP process (with migration)

Input.txt:

2
3
A
HP
0
3
4
5
-1
B
LP
5
6
2
3
1
4
-1
C
LP
7
10
3
8
1
4
-1
D
HP
10
5
1
2
-1
E
LP
14
3
5
7
1
4
-1

Test Case 9: Arbitrary Test

Input.txt:

2
3
A
HP
0
3
4
5
-1
B
LP
5
6
2
3
1
4
-1
C
LP
7
10
3
8
1
4
-1
D
HP
30
5
5
6
-1
E
LP
14
3
5
7
1
4
-1