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Assignment 3

Mario travels horizontally through every avenue.

1. Mario moves from L--> R in Odd numbered avenues and R-->L in even numbered avenues.

2. Declare two counters as i,j

3. Create a for loop

3. Start counter i at second avenue.

4. For (i=2, i<A, i++}

5. Move to Avenue, Mario moves horizontally and falls into the pit and store the location of the pit. Store street location as P1= ( x1 ,n )

6. Set counter j = i + 1  
6. Move to next avenue ( j )Mario moves horizontally and falls into the pit and store the location of the pit. P2=( x2 , m )

7. P1=(n) and P2=(m) [Y coordinate of street Locations of the Pits ].  
8. If Absolute value of |n-m| != 1 then goto 11

9. Else if |n-m|= 1 then go to 10

10. for ( n=1 or n =101) then Break

11. In Mario's next attempt, he can move to the grid next to P1=(x1,n) from either direction.

12. Move down to next avenue while staying on Street (n-1) or (n+1).

13. Move left or right to join Street #n and travel downwards to last avenue.

14. Death counter = i