The Algorithm Design Canvas

Problem name:

2D array - DS



Constraints	Q.	Code	
* 6 x 6 2D array * fixed shape of hourglass * 16 hourglasses in our array * each element of the array can be -9 <= a[i][j] <= 9 * 0 <= i, j <= 5			
Ideas	•		
* verify inputs validity * maxSum = -64 (min smallest value - worst case -63, all -9) * N x M -> matrix sizes * define a hourglass "path" (positions to sum) * loop until i < N - 2 and j < M - 2 * for each position we sum up hourglass values and set new max (if needed) * return maxSum			
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Test Cases ✓			