

- Create an  $h \times w$  ( $h, w \leq 100$ ) grid consisting of letters 'K', 'I' and 'T' such that
  - each letter occurs a given number of times ( $k$ ,  $i$  and  $t$  times,  $k + i + t = h \cdot w$ ); and
  - there is exactly one occurrence of the word "KIT".
- Words can be read in 8 directions: horizontally, vertically, diagonally.



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I	K	I	I	T
K	K	T	K	T
I	T	I	T	I
K	T	T	K	I

A possible answer for the case  $h = 4, w = 5, k = 6, i = 7, t = 7$ .