

LABIRINT U KVADRU

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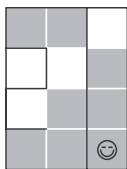
Kvadar se sastoji od slojeva kockastih blokova. Podebljane crte prikazuju zid, a bijele mogućnost horizontalnog prolaza iz jednoga bloka u drugi (unutar istoga sloja). Sivi kvadrat znači da iz toga bloka ne možemo prijeći izravno u blok drugoga sloja koji je neposredno ispod njega. Bijeli kvadrat prikazuje mogućnost izravnog (vertikalnog) prijelaza između slojeva.

Zadatak je naći najkraći put od bloka u kojemu se nalazi smješko do bloka u kojemu je srce.

Blok sa smješkom označite brojem 1, a zatim redom prirodnim brojevima označavajte blokove (kocke) kojima se krećete. Broj zapisan u bloku u kojemu je srce predstavlja duljinu prijeđenoga puta (ili tu duljinu uvećanu za 1).

Primjer 1:

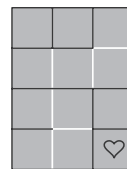
Gornji (prvi) sloj



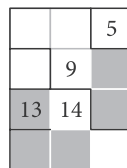
Srednji sloj



Donji (treći) sloj

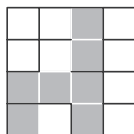


Rješenje:

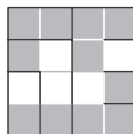


Primjer 2:

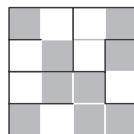
Gornji (prvi) sloj



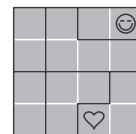
Drugi sloj



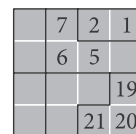
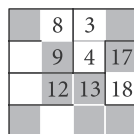
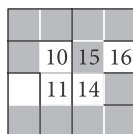
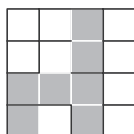
Treći sloj



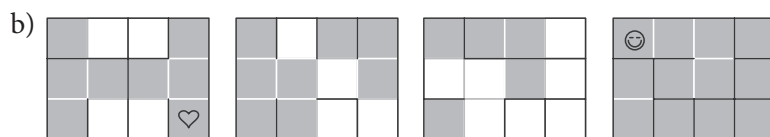
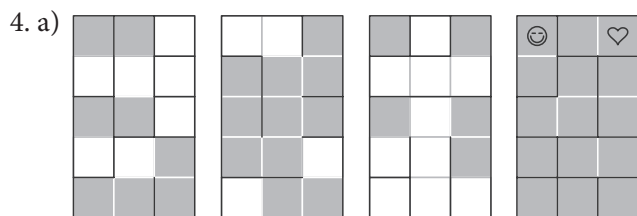
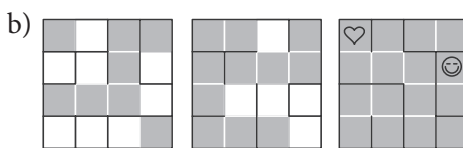
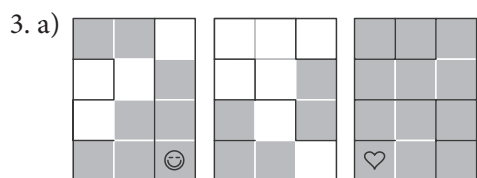
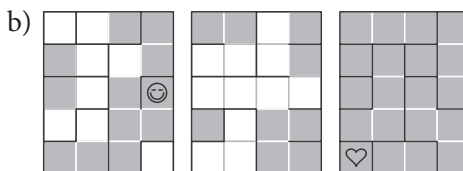
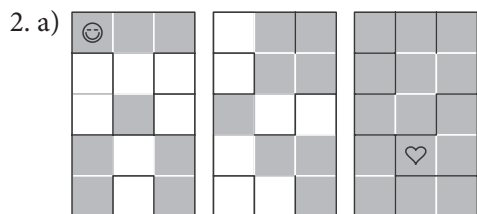
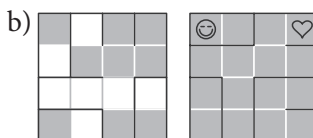
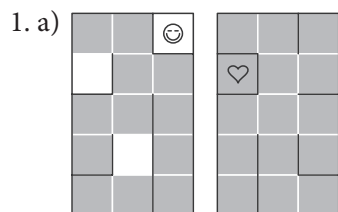
Donji (četvrti) sloj



Rješenje:



Zadaci:



Rješenja zadataka provjerite na str. 71.

