function x= fun)

x=1;

Ar [2 1! n

for jel: n

x=x+1;

1. Find the sentine of the algorithm mathematically.

operations inside both loops. The coultre foop goes accound nationes, and every time other happins, there is another performe by the algorithm that is inside also goes accound notimes. There is another performe is constant time operation x=x+1.

$$\therefore T(n) = \sum_{i=1}^{n} \sum_{j=1}^{n} j$$

T(n) = nxn

= n2

2) The curtime of the algorithm is $O(n^2)$.