Planning algorithm

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1 Problem space

$$n = n_{team} \cdot n_{sprint} \cdot \sum_{i=0}^{n_{task}} w_i$$

where

- n - number of possible solutions

- n_{team} - number of teams

- n_{sprint} - number of sprints

- n_{task} - number of planned tasks

- w_i - work of given task

In our example we will get $n = 5 \cdot 11 \cdot 280 = 15.400$

Let's consider a more realistic example:

- 50.000 story points (40 person years)

- 16 sprints (a year)

- 6 teams

This will result in problem space $n = 6 \cdot 16 \cdot 50000 = 4.8 \cdot 10^6$. This is a relatively small number considering the problem space size the planning algorithms normally deal with.