breedy Algorithms

Select option that looks best .

Prove optimality or 'near-optimality' of solution.

Partial solution is 'feasible' it it's contained in an optimal sola

Choice X: is 'correct' if resulting portial solu is feasible.

given introds (si, fi), select max # of mutually risjoint intervals. (Activity selection).

idea! select shortest interval that works. it locan't work: ______

better iden: select first finish time that works.

Proof: Induction that (x,..., x,i) is to asible.

And that No more interval and added to (x,...,x,i).

p is feasible. And if (x,..., x,i) is feasible

then (x_1, \dots, x_i) is too.