



- mization problem.



 $\blacktriangleright$  Given an HTN planning problem *P* and an action sequence *tn*, we want to decide whether we can change the methods in P with the operations specified by X so that tn is a solution to P.

▶ If  $DEL \in X$ , removing an action from a method is allowed.

 $\blacktriangleright$  Given an HTN planning problem P, an action sequence tn, and a method sequence  $\overline{m}$ , we want to decide whether we can change the method in  $\overline{m}$  so that tn can be obtained from the initial task

 $\blacktriangleright$  The definitions are identical to that of FIX-METHS<sub>X</sub> and FIX-SEQS<sub>X</sub> except that we demand that the number of changes is limited by an

Methods Given?	Changes	Comp Any Changes	lexity k Changes
	Del		
No	Add Add, Del	NP-complete	NP-complete
Yes	All	NP-complete	NP-complete
Ves: Unique	All	Р	Р