Which of the following is not part of a partial plan?

- A subset of the ordering constraints that will be part of the final plan.
- Variable binding constraints for the parameters of the actions used in the partial plan.
- A subset of the goal conditions that will be achieved by the final plan.
- Links that record which actions achieve the preconditions of other actions in the plan.
Tick those statements that you believe to be true:

☐ For a causal link, the provider action must come directly before the consumer action.

☐ When an action is added to the partial plan, a causal link must also be added to record the rationale for adding the action.

☐ When a new action is added to the partial plan, a new set of variables representing all the operator's parameters must also be added to the plan.

☐ If the variables are typed, we do not need binding constraints.

☐ The ordering constraints must always define a total order on all the actions in a partial plan.
Tick those statements that you believe to be true:

☐ The initial search state, the empty plan, contains no actions.

☐ The initial search state, the empty plan, contains no causal links.

☐ The initial search state, the empty plan, contains no variable bindings.

☐ The initial search state, the empty plan, contains no ordering constraints.
Suppose the action $a_k$ threatens the causal link $a_i \rightarrow [p] \rightarrow a_j$. Which of the following statements must then be true?

- Action $a_j$ has $p$ as a precondition.
- Action $a_k$ has $p$ as an effect.
- Action $a_k$ must be ordered before $a_j$ in the current plan.
- Action $a_i$ may be ordered before $a_k$ in the current plan.
- Action $a_k$ is neither of the dummy actions, init or goal.
Tick those statements that you believe to be true:

☐ The PSP algorithm terminates if and only if it is given a flawless plan.

☐ Flaw selection represents a deterministic choice point, that is, PSP does not need to backtrack here.

☐ Resolver selection represents a deterministic choice point, that is, PSP does not need to backtrack here.

☐ Ordering and variable binding constraints must always be consistent during the planning process.