```
and (x_3 = True)
    (x_1 = True)
    (x_6 = 1)
    (x_9 - x_10 >=41)
    (x_5 = 1)
```

```
and (x_1 = True)
    (x_6 = 1)
    (x_9 - x_10 >=41)
    (x_5 = 1)
```
inductive?

YES

```
and (x_6 = 1)
    (x_9 - x_10 >=41)
    (x_5 = 1)
```
inductive?

NO

```
and (x_1 = True)
    (x_9 - x_10 >=41)
    (x_5 = 1)
```
inductive?

YES

```
and (x_1 = True)
    (x_5 = 1)
```
inductive?

NO

```
and (x_1 = True)
    (x_9 - x_10 >= 41)
```
inductive?

YES

```
and (x_1 = True)
    (x_9 - x_10 >= 41)
```