

Friday, February 23

Name _____

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6.s081 Spring 2018

Miniquiz #9

5 Minutes

Let P be the program below:

```
while ( i > 5 ) {  
    k = k + 2;  
    i = i - 1;  
}
```

And let σ be the input frame $\sigma = \{ i : 6, k : 1 \}$, use inference rules to show that:

$(\sigma, P) \rightarrow \{ i : 5, k : 3 \}$