

Get the dominator, strict dominator, immediate dominator, post-dominator, strict post-dominator and immediate post-dominator of line 2 and line 5 in the given slide.



Dominator

X post-dominates Y if every possible program path from Y to End has to pass X.

- Strict post-dominator, immediate post-dominance.

```
1 sum=0
2 i=1
3 while (i < N) do
4     i=i+1
5     sum=sum+i
6 print (sum)
```

➤ $SPDOM(4) = \{3, 6\}$

➤ $IPDOM(4) = 3$

