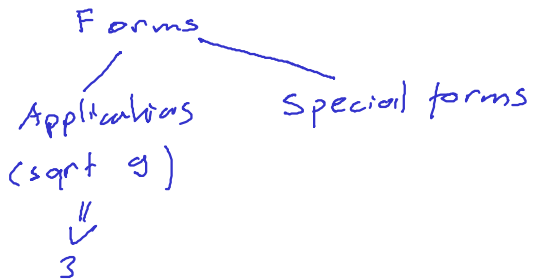


# Side-effects versus values

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COGS 502: Symbols and Programming  
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## Special forms



(setf K (+ 3 4))

7

[ K → 7 ]  
side-effect

return 7 value

(defvar J (+ 3 4)) [ J → 7 ]

\* forms — apps — returns value  
          — SFs — returns value  
                  cause side effects





