```
1 def expand(VANE, COST):
    CanExpand = True
    while (CanExpand and SWE(VANE) < COST):
      PARENTREGION = VANE.getParent()
      VANE.basicblocks.add(PARENTREGION)
      VANE.resolveDependencies()
6
      CanExpand = checkExpansion(VANE)
```