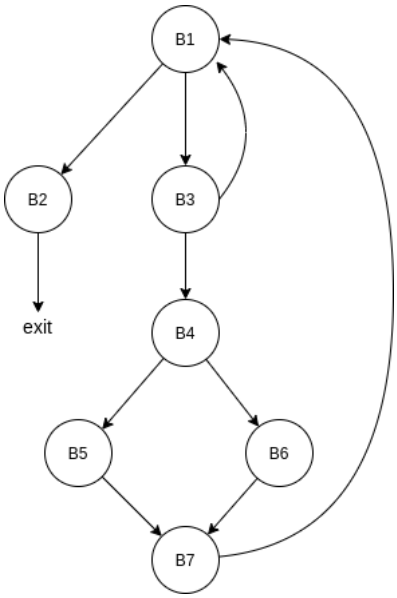
# Exercise 1.2

## (a), (b)

```
1        receive n                          } B1
2        sum ← 0
3        i ← 2
4        j ← 0
5    L1: t1 ← i * i
6        if t1 <= n goto L2
7        return sum                         > B2
8    L2: t2 ← n % i                         } B3
9        if t2 == 0 goto L3
10       i ← i + 1
11       goto L1
12   L3: t3 ← n / i                         } B4
13       if j == t3 goto L4
14       t4 ← j                             } B5
15       goto L5
16   L4: t4 ← 0                             > B6
17   L5: t5 ← i + t4                        } B7
18       t6 ← sum + t5
19       sum ← t6
20       i ← i + 1
21       goto L1
```

## (c)




## (d)

B1 post-dominates nodes B3, B4, B5, B6, B7.
B2 post-dominates every other node.
B7 post-dominates B4, B5, B6.