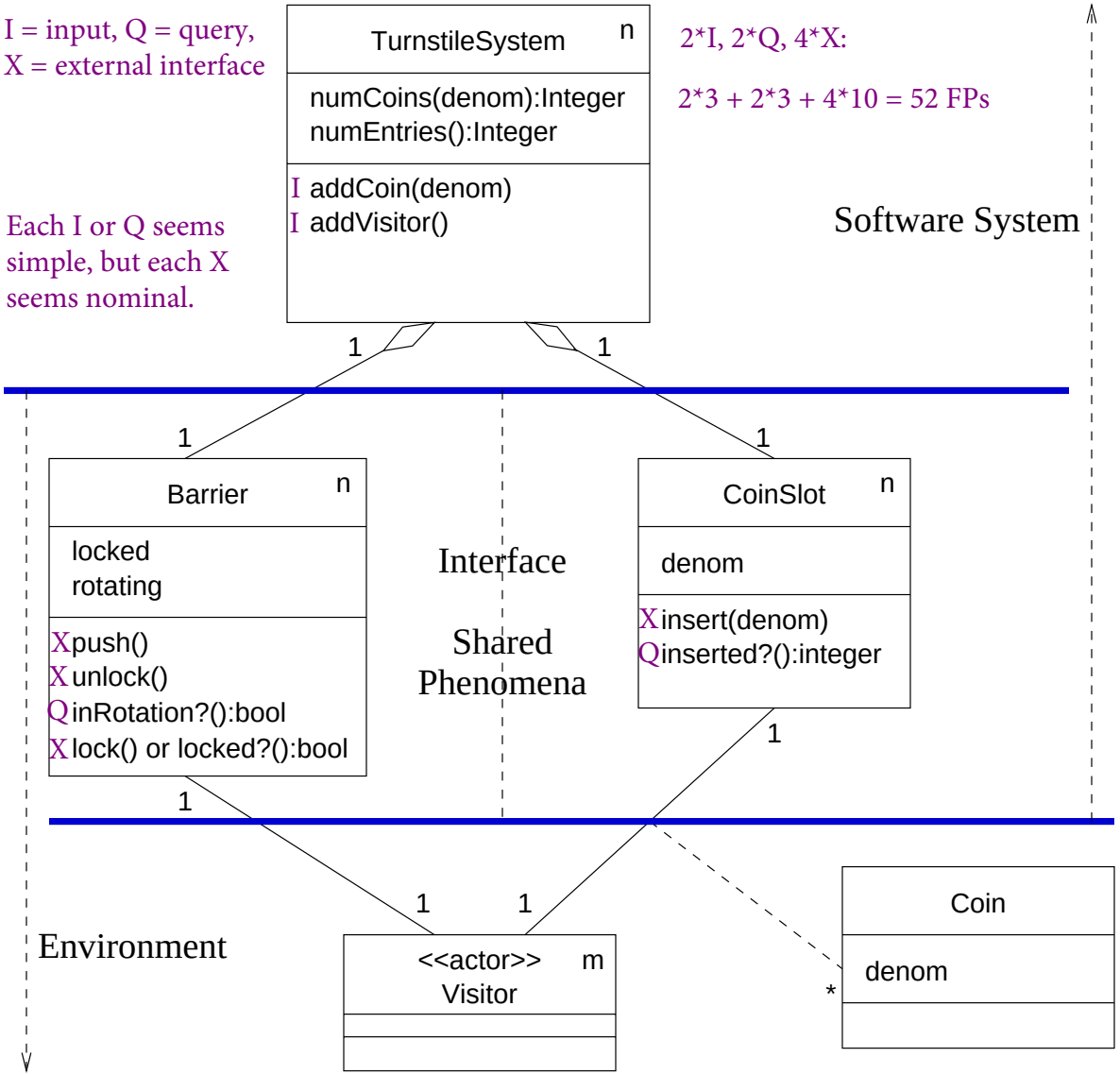
I = input, Q = query,
X = external interface
TurnstileSystem
n
numCoins(denom):Integer
numEntries():Integer
I addCoin(denom)
I addVisitor()
2*I, 2*Q, 4*X:
2*3 + 2*3 + 4*10 = 52 FPs
Each I or Q seems simple, but each X seems nominal.
Software System
1
1
1
1
Barrier
n
locked
rotating
Xpush()
Xunlock()
QinRotation?():bool
Xlock() or locked?():bool
Interface
Shared Phenomena
CoinSlot
n
denom
Xinsert(denom)
Qinserted?():integer
1
1
1
1
Environment
<<actor>>
Visitor
m
Coin
denom
*