HOME ASSIGNMENT 1

1. Parent sees i=0

Child sees i=0

Parent sees i=1

Child sees i=1

Parent sees i=2

Child sees i=2

1. Parent says a:1

Id: 2 a:2 b:1

Id: 1 a:3 b:1

1. The advantage over using kernel level threads is that it uses less resources like memory and kernel objects. The performance also increases because of less context switching.

The advantage over user level threading is that one can take advantage of multiple CPUs or multiple CPU cores. If one task blocks, another kernel thread can be created.

The mapping of threads would be reasonable for the values

m>n

m>>n.

The best choice would be m>>n.