This is Simulation Version 4.20 and Hardware Version 4.20.

Program called with 2 arguments: z502.exe test1b

Calling with argument 'sample' executes the sample program.

Simulation is running as a UniProcessor

Add an 'M' to the command line to invoke multiprocessor operation.

process\_name: test1b

process\_to\_run: 12128566

test1b priority validated

validating process\_names

Number of processes already created: 0

PID: 1, process\_context: 5805544 initialized successfully with 3341216

5805544 initial ready position: 1 count\_ready\_queue: 1

ready\_position: 1 process\_name: test1b

starting context for: test1b

This is Release 4.20: Test 1b

SVC handler: create

Arg 0: Contents = (Decimal) 12265056, (Hex) BB2660

Arg 1: Contents = (Decimal) 12128656, (Hex) B91190

Arg 2: Contents = (Decimal) -3, (Hex) FFFFFFFD

Arg 3: Contents = (Decimal) 13369072, (Hex) CBFEF0

Arg 4: Contents = (Decimal) 13369044, (Hex) CBFED4

Came in SVC Create Process Block

Priority assigned is incorrect. Error Number: -16

-16

Exiting!!! As error has occurred

ErrorReturned in SVC: -16

-16

Exiting!!! As error has occurred

test1b: -16

Program correctly returned an error: -16

SVC handler: create

Arg 0: Contents = (Decimal) 12265096, (Hex) BB2688

Arg 1: Contents = (Decimal) 12128656, (Hex) B91190

Arg 2: Contents = (Decimal) 10, (Hex) A

Arg 3: Contents = (Decimal) 13369060, (Hex) CBFEE4

Arg 4: Contents = (Decimal) 13369044, (Hex) CBFED4

Came in SVC Create Process Block

two\_the\_same priority validated

validating process\_names

Number of processes already created: 1

PID: 2, process\_context: 5934584 initialized successfully with 13369060

5934584 initial ready position: 1 count\_ready\_queue: 2

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: two\_the\_same

initial ready position: 1 count\_ready\_queue: 2

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: two\_the\_same

ErrorReturned in SVC: 0

context returned: 5934584

Program correctly returned success.

SVC handler: create

Arg 0: Contents = (Decimal) 12265152, (Hex) BB26C0

Arg 1: Contents = (Decimal) 12128656, (Hex) B91190

Arg 2: Contents = (Decimal) 10, (Hex) A

Arg 3: Contents = (Decimal) 13369072, (Hex) CBFEF0

Arg 4: Contents = (Decimal) 13369044, (Hex) CBFED4

Came in SVC Create Process Block

two\_the\_same priority validated

validating process\_names

-19

Exiting!!! As error has occurred

ErrorReturned in SVC: -19

-19

Exiting!!! As error has occurred

Program correctly returned an error: -19

SVC handler: term\_proc

Arg 0: Contents = (Decimal) 5934584, (Hex) 5A8DF8

Arg 1: Contents = (Decimal) 13369044, (Hex) CBFED4

entered terminate process correctly

in Terminate switch case

system argument 0: 5934584, 5934584

entered pop

process context to pop: 5934584

process context: 5934584 popped out of PCB successfully

Program correctly returned success.

Creating process "Test1b\_1"

SVC handler: create

Arg 0: Contents = (Decimal) 13369008, (Hex) CBFEB0

Arg 1: Contents = (Decimal) 12128656, (Hex) B91190

Arg 2: Contents = (Decimal) 10, (Hex) A

Arg 3: Contents = (Decimal) 13369072, (Hex) CBFEF0

Arg 4: Contents = (Decimal) 13369044, (Hex) CBFED4

Came in SVC Create Process Block

Test1b\_1 priority validated

validating process\_names

Number of processes already created: 1

PID: 2, process\_context: 5934800 initialized successfully with 13369072

5934800 initial ready position: 1 count\_ready\_queue: 2

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: Test1b\_1

initial ready position: 1 count\_ready\_queue: 2

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: Test1b\_1

ErrorReturned in SVC: 0

ErrorReturned in test1b: 0

Creating process "Test1b\_2"

SVC handler: create

Arg 0: Contents = (Decimal) 13369008, (Hex) CBFEB0

Arg 1: Contents = (Decimal) 12128656, (Hex) B91190

Arg 2: Contents = (Decimal) 10, (Hex) A

Arg 3: Contents = (Decimal) 13369072, (Hex) CBFEF0

Arg 4: Contents = (Decimal) 13369044, (Hex) CBFED4

Came in SVC Create Process Block

Test1b\_2 priority validated

validating process\_names

Number of processes already created: 2

PID: 3, process\_context: 5935088 initialized successfully with 13369072

5935088 initial ready position: 1 count\_ready\_queue: 3

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: Test1b\_1

ready\_position: 3 process\_name: Test1b\_2

initial ready position: 1 count\_ready\_queue: 3

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: Test1b\_1

ready\_position: 3 process\_name: Test1b\_2

ErrorReturned in SVC: 0

ErrorReturned in test1b: 0

Creating process "Test1b\_3"

SVC handler: create

Arg 0: Contents = (Decimal) 13369008, (Hex) CBFEB0

Arg 1: Contents = (Decimal) 12128656, (Hex) B91190

Arg 2: Contents = (Decimal) 10, (Hex) A

Arg 3: Contents = (Decimal) 13369072, (Hex) CBFEF0

Arg 4: Contents = (Decimal) 13369044, (Hex) CBFED4

Came in SVC Create Process Block

Test1b\_3 priority validated

validating process\_names

Number of processes already created: 3

validating count -20

-20

Exiting!!! As error has occurred

ErrorReturned in SVC: -20

-20

Exiting!!! As error has occurred

ErrorReturned in test1b: -20

Program correctly returned an error: -20

3 processes were created in all.

SVC handler: get\_pid

Arg 0: Contents = (Decimal) 12285913, (Hex) BB77D9

Arg 1: Contents = (Decimal) 13369060, (Hex) CBFEE4

Arg 2: Contents = (Decimal) 13369044, (Hex) CBFED4

Program correctly returned success.

The PID of this process is 5935088

SVC handler: get\_pid

Arg 0: Contents = (Decimal) 13369008, (Hex) CBFEB0

Arg 1: Contents = (Decimal) 13369072, (Hex) CBFEF0

Arg 2: Contents = (Decimal) 13369044, (Hex) CBFED4

Program correctly returned success.

The PID of target process is 5934800

SVC handler: get\_pid

Arg 0: Contents = (Decimal) 12265436, (Hex) BB27DC

Arg 1: Contents = (Decimal) 13369072, (Hex) CBFEF0

Arg 2: Contents = (Decimal) 13369044, (Hex) CBFED4

Program correctly returned an error: -21

Test1b, PID 5935088, Ends at Time -858993460

ERROR: Simulation did not end correctly