

Project 2 程序代写代做 CS编程辅导 Microcoded Instruction Set Processor

- ▶ Project 2 in i 📜 📆 tal steps
- ▶ modifications are required:
 - Increase the mamber of registers in the register-file from 32 to 33
 - from 32 to 33
 Assignment Project Exam Help
 This requires an additional select bit for the two multiplexers (BusilA and Bus B) and the destination decoder. These are separate signals (TD, TA, TB) that are provided by the Control Memory
 - The size of the pregister-file has to be 32 bit (size of instructions)





- ► Consequentle in the Datapath:
 - MUXs in the Register file
 - ► Decoder in the Register file
 - Arithmetic/logics lymiment Project Exam Help
 - ► Shifter and MUXs tutorcs@163.com
- are 32 bit

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Dafapath Mosmitations

- Add and test

 - Memory M (512 x 32)
 WeChat: cstutorcs
 Control Memory (256 x 42)
- ▶ to your projectssignment Project Exam Help
 - ► MUX M will feed 32 thit addresses from ether the Bus A or the PC into the Memory M entity but only the 9 least significant as the state will be used to index into the array. This restricts the memory size to 512.



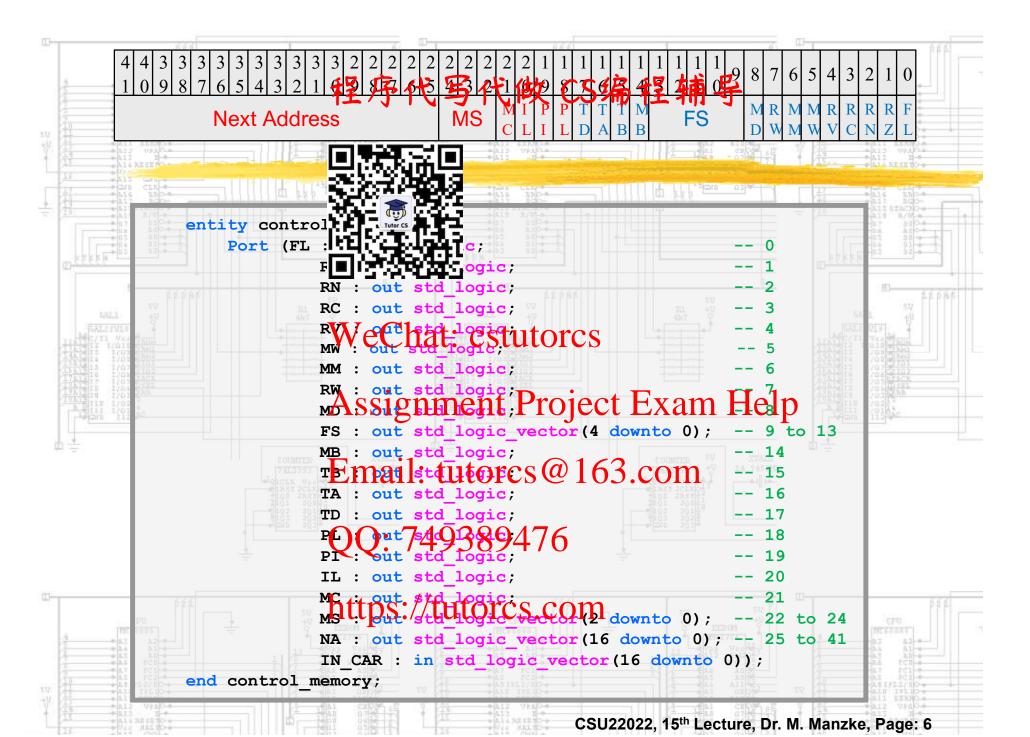
library IEEE

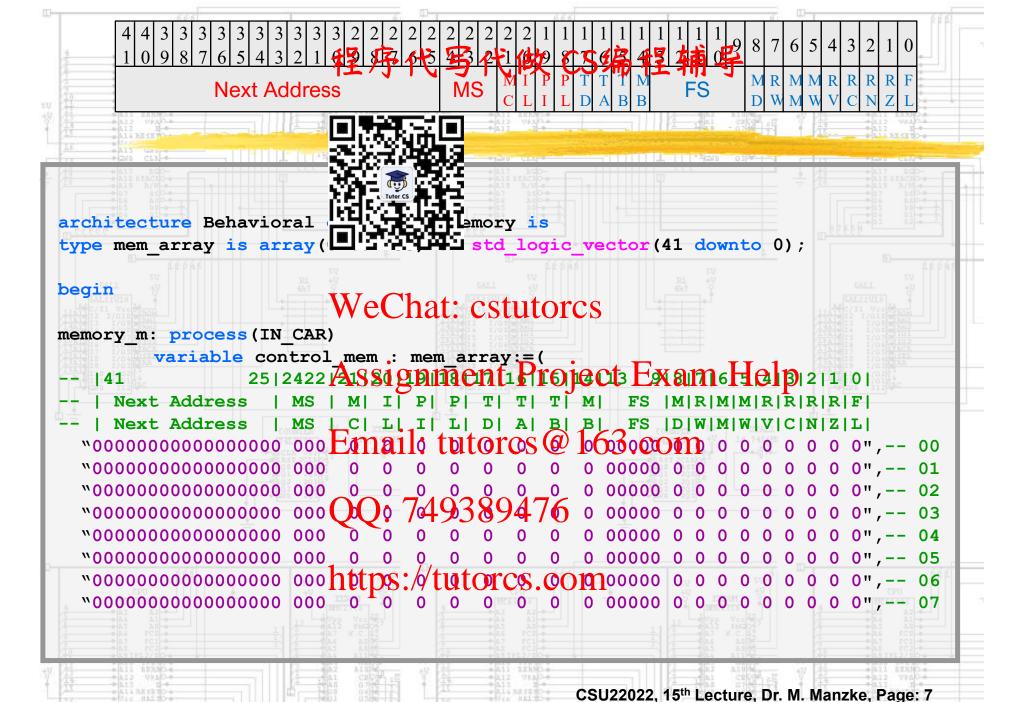
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	1	0	9	8	7	6	5	4	3	2	1	(K)	Q;	Y	4	Ы	7	41		2	1	0	9	8	7	6	5	4	3	2	1	0	9	8	/	O	5	4	3		I	U	00.47
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- -- 3rd December 2020 Email: tutorcs@163.com

```
library JEEE;
use IEEE.STD_LOGIC_1164.ALL;
use IEEE.STD_LOGIC_ARITH.ALL;
use IEEE.STD_LOGIC_UNSIGNED.ALL;
```





- 辉原传写代的 85 编码 辅号

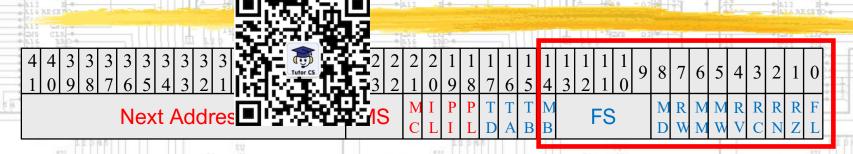
```
2512422
                               9|8|7|6|5|4|3|2|1|0|
|41
 | Next Address
          | MS
                              FS |M|R|M|M|R|R|R|F|
| Next Address
           MS
                       A| B|
                              FS |D|W|M|W|V|C|N|Z|L|
"0000000000000000 000
                            0 00000 0
0 00000 0 0
0 00000 0
0 00000 0
         25|2422|21|20|19|18|17|16|15|14|13 9|8|7|6|5|4|3|2|1|0|
| Next Address | MS
| Next Address
          I MS
"0000000000000000 000
                            0 00000 0
0 00000 0 0 0 0 0 0 0 0 0",-- 12
                          0 0 00000 0 0 0 0 0 0 0 0 0",-- 13
"00000000000000000 000 0, 0, 0
                    utorcs.com
"00000000000000000 000 Hbtps://t
0 00000 0
              0 0
                            0 00000 0 0 0 0 0 0 0 0 0",-- 17
```

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-程序他写代数SGS编程辅导F



程序代写他使SS编程辅导



```
begin WeChat: cstutorcs
addr := conv_integer(IN_CAR);
control_out := control_mem(addr);
FL A=SignificenttProject Exam Help
RZ <= control_out(1);
RN <= control_out(2);
RC Encontrol_out(2);
RC = control_out(4);
MW ST Control_out(4);
MW ST Control_out(6);
RW <= control_out(6);
RW <= control_out(7);
MD HELPSintipleGit(88COM)
FS <= control_out(13 downto 9);
MB <= control_out(14);</pre>
```

程序代与代数ess编辑辅导



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```
TB <= control_out(15);

TAASSPONTMENDING Exam Help

TD <= control_out(12);

PLE = control_out(17)63.com

PI <= control_out(19);

IL <= control_out(20);

MCQQ control_out(21);

MS <= control_out(24 downto 22);

NAMEDSONTMENDIANTE (5);

end process;

end Behavioral;
```

