CSS422 Homework 5 Grade Rubric

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| --- | --- | --- | --- |
| Q1 | 2pts | Points | Your Grade |
|  | 1-1:  x = ~(~(a XOR c) + ~b) \* (~(~b(b + d))) | 1 | 1 |
| 1-2:  x = ( (a XOR c) \* b )(b + ~(b + d) )  = a XOR c \* b \* b + a XOR b \* b \* (~b \* ~d )  = a XOR c \* b + a XOR b \* ~b \* ~d  = a XOR c \* b | 1 | 0.75 |
| Q2 | 9pts |  |  |
|  | 2-1. | 1 | 1 |
| 2-2. | 3 | 3 |
| 2-3.  A = y + xz  B = ~x~y + xyz + ~y~z  C = ~xz + x~z = x XOR z | 3 | 3 |
| 2-4.  **Macintosh HD:Users:munehiro:Desktop:Untitled.jpeg** | 1 | 1 |
| 2-5.  **Macintosh HD:Users:munehiro:Desktop:Untitled.jpeg** | 1 | 1 |
| Q3 | 9pts |  |  |
| 3-1. | 1 | 1 |
| 3-2.  C0 = A0 B0  C3 = A1A0B1B0 | 2 | 2 |
| 3-3.    C2 = A1~A0B1 + A1B1~B0 = A1 B1 (~A0 + ~B0) | 2 | 1.75 |
| 3-4.    C1 = A1~B1B0 + A1~A0B0 + ~A1A0B1 + A0B1~B0  = A1 B0(~A0 + ~B1) + A0B1(~A1 + ~B0) | 2 | 2 |
| 3-5. | 1 | 1 |
| 3-6. | 1 | 1 |
| Total: | | 20 | 19.5 |

Comments: