

Luiza Ávila Defranco Gonçalves - 587490

S=	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
A=0010 B=0011	1101	1100	0001	0000	1101	1100	0001	0000	1111	1110	0011	0010	1111	1110	1110	0010
A=0100 B=0101	1011	1010	0001	0000	1011	1010	0001	0000	1111	1110	0101	0100	1111	1111	1111	0100
A=0100 B=1000	1011	0011	1000	0000	1111	0111	1100	0100	1011	0011	1000	0000	1111	0111	0111	0100

M=1

S=	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
A=0010 B=0011	0010	0011	1110	1111	0010	0011	1110	1111	0100	0101	0000	0001	0100	0101	0000	0001
A=0100 B=0101	0100	0101	1110	1111	0001	0101	1110	1111	1000	1001	0010	0011	1000	1001	0010	0011
A=0100 B=1000	0100	1100	0111	1111	0000	1000	1011	0011	0100	1100	0111	1111	1000	0000	1011	0011

M=0 Sem carry in

S=	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
A=0010 B=0011	0011	0100	1111	0000	0011	0100	1111	1110	0101	0110	0001	0011	0101	0110	0001	0010
A=0100 B=0101	0101	0110	1111	0000	0101	0110	1111	1010	1001	1010	0011	0101	1001	1010	0011	0100
A=0100 B=1000	0101	1101	1000	0000	1001	0001	1100	0111	0101	1101	1000	1100	1001	0001	1100	0100

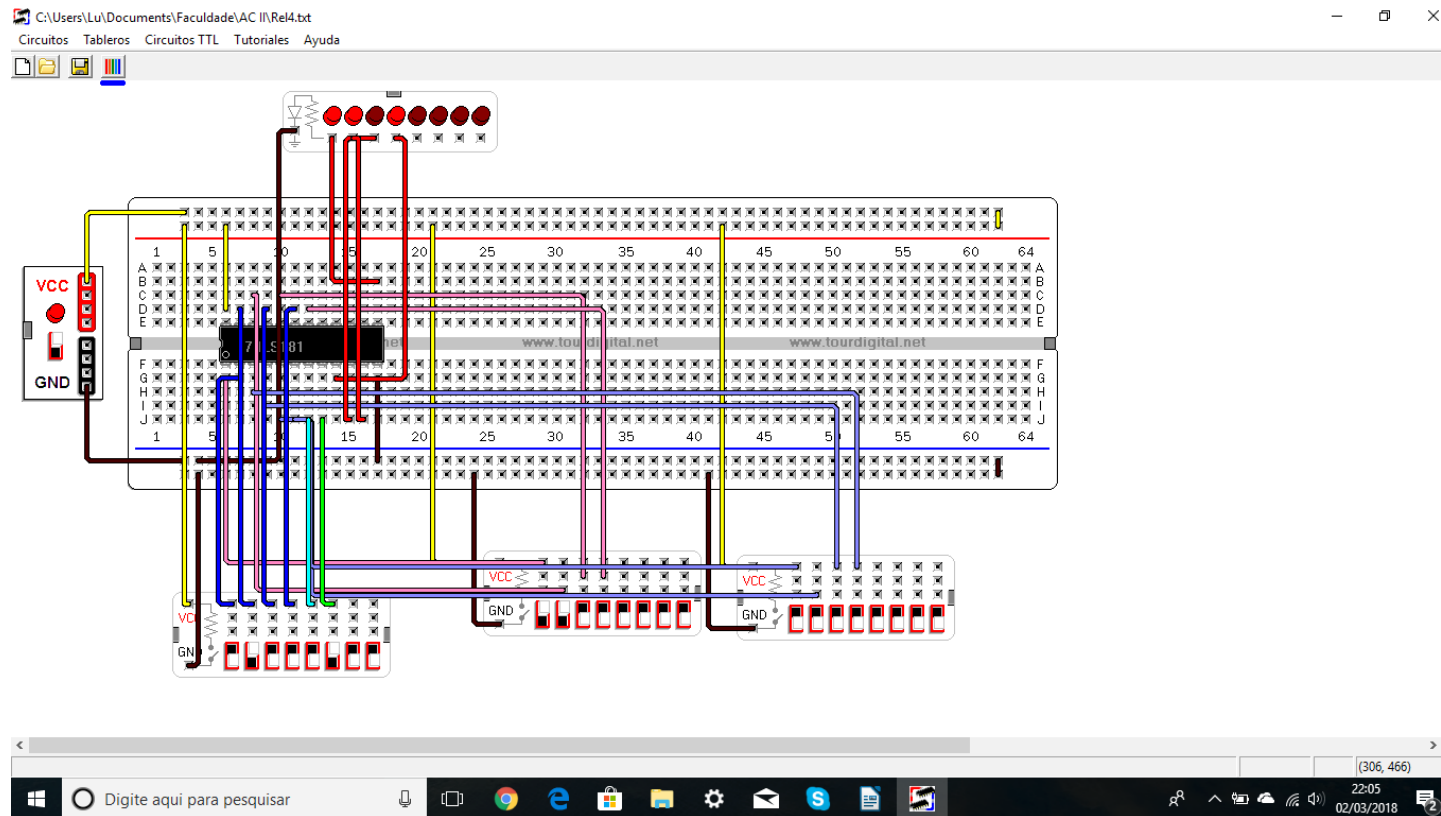
M=0 com carry in

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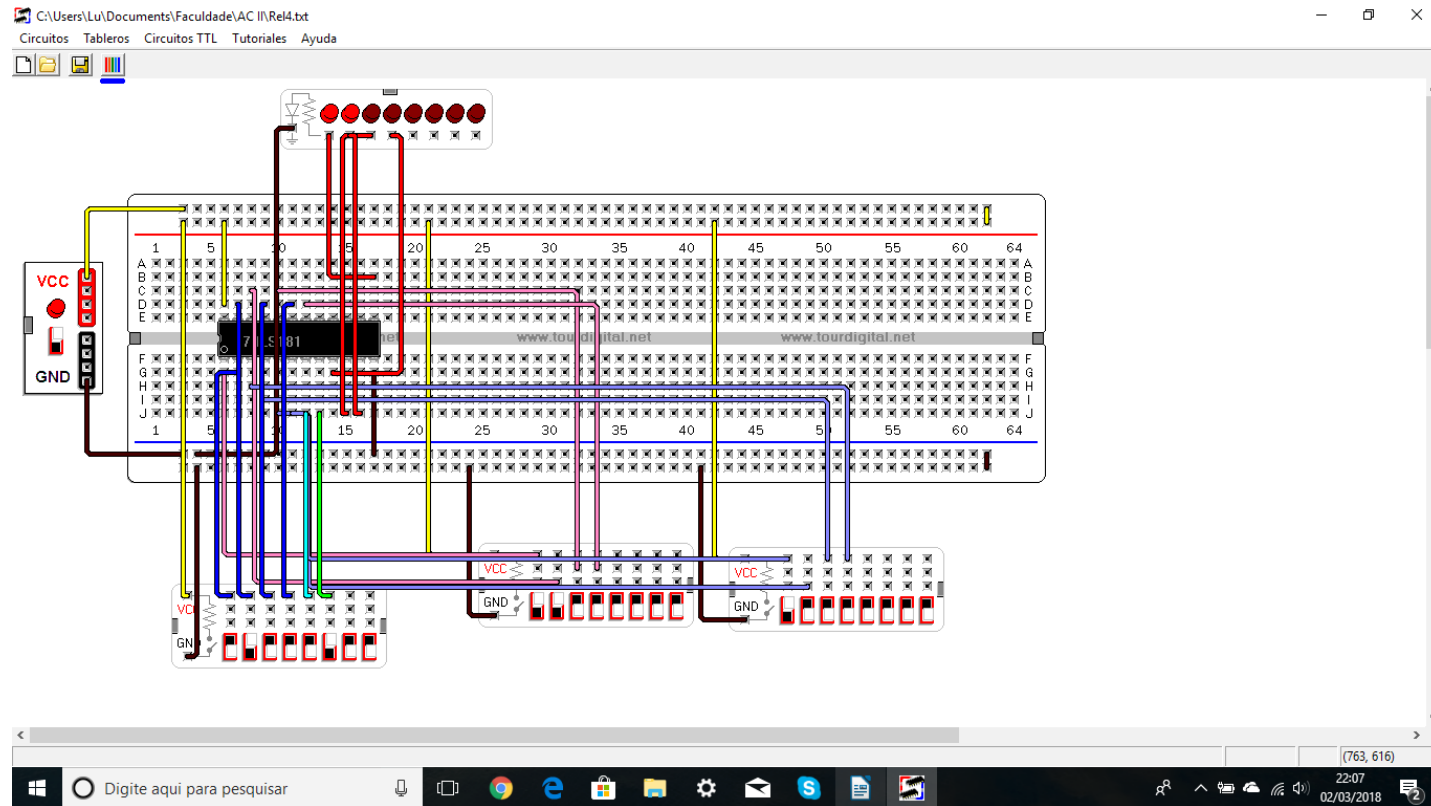
Printscreens da Tela

Obs.: No circuito, os fios roxos controlam os 'S', os rosas os 'B' e os azuis os 'A'. O fio azul claro é o 'Cn' e o verde é o 'M'. A escrita dos números é feita inversamente(A1A0), mas a saída está de maneira normal.

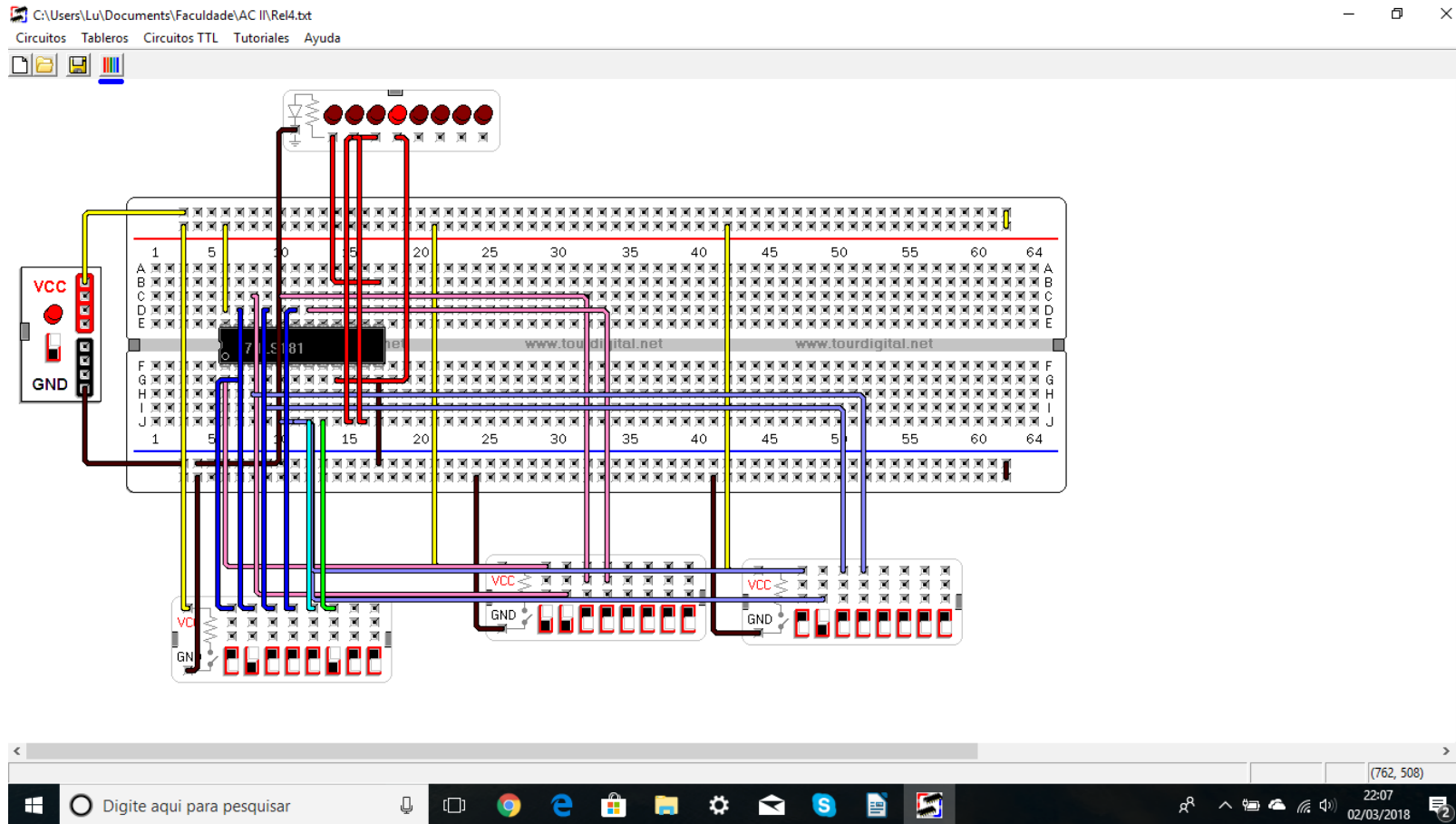
M=1



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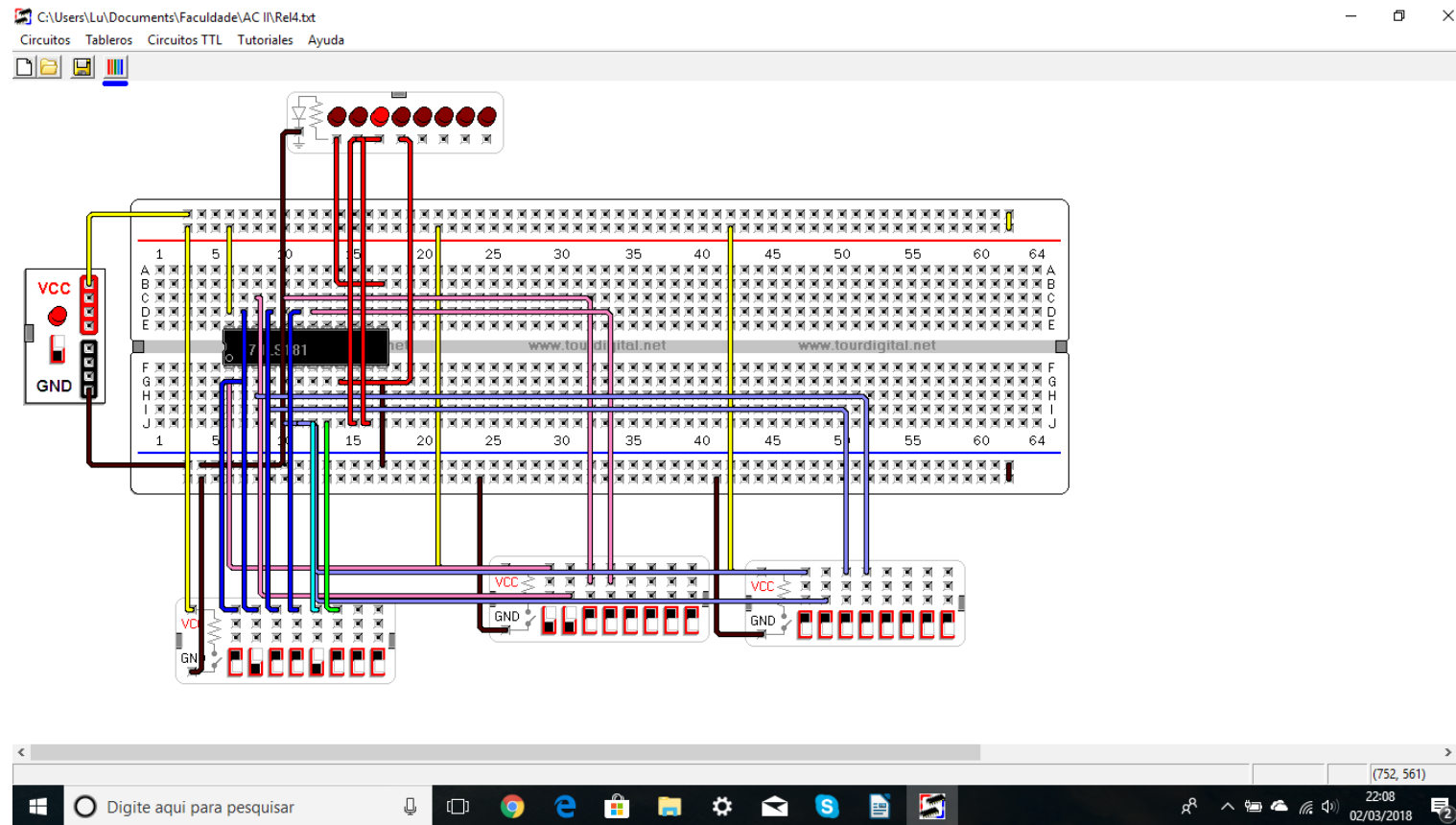


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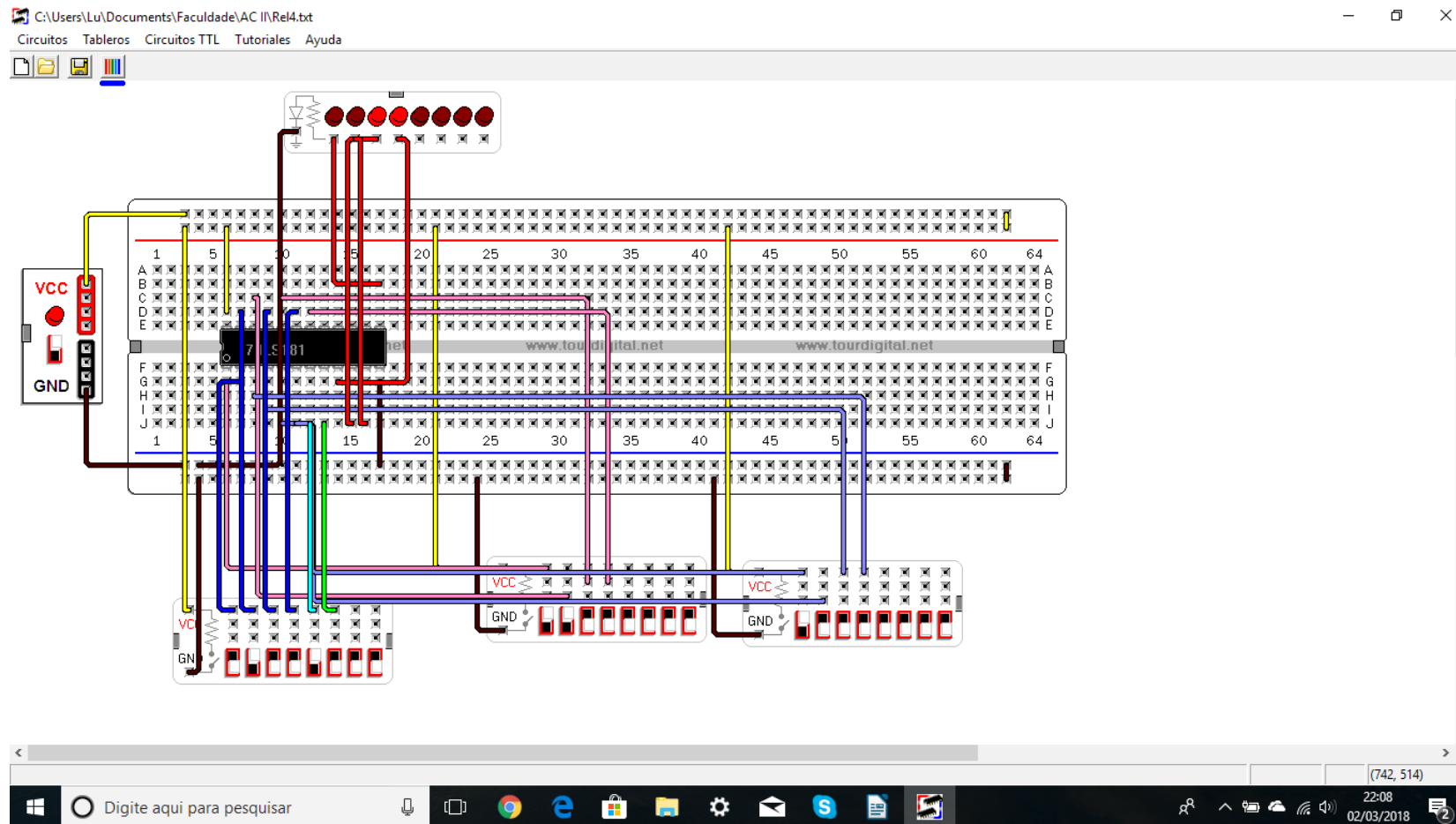


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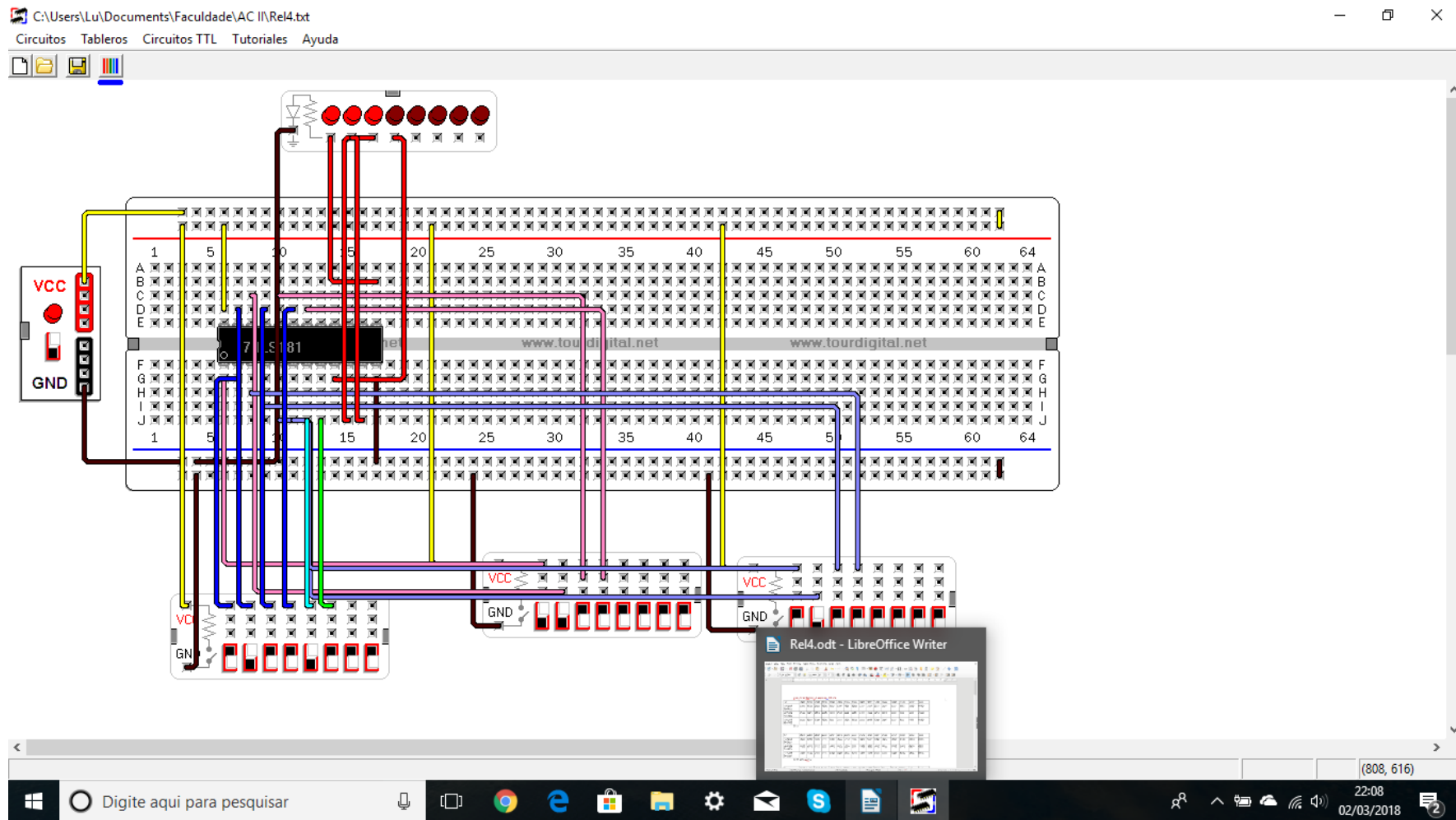
Cn=1,M=0



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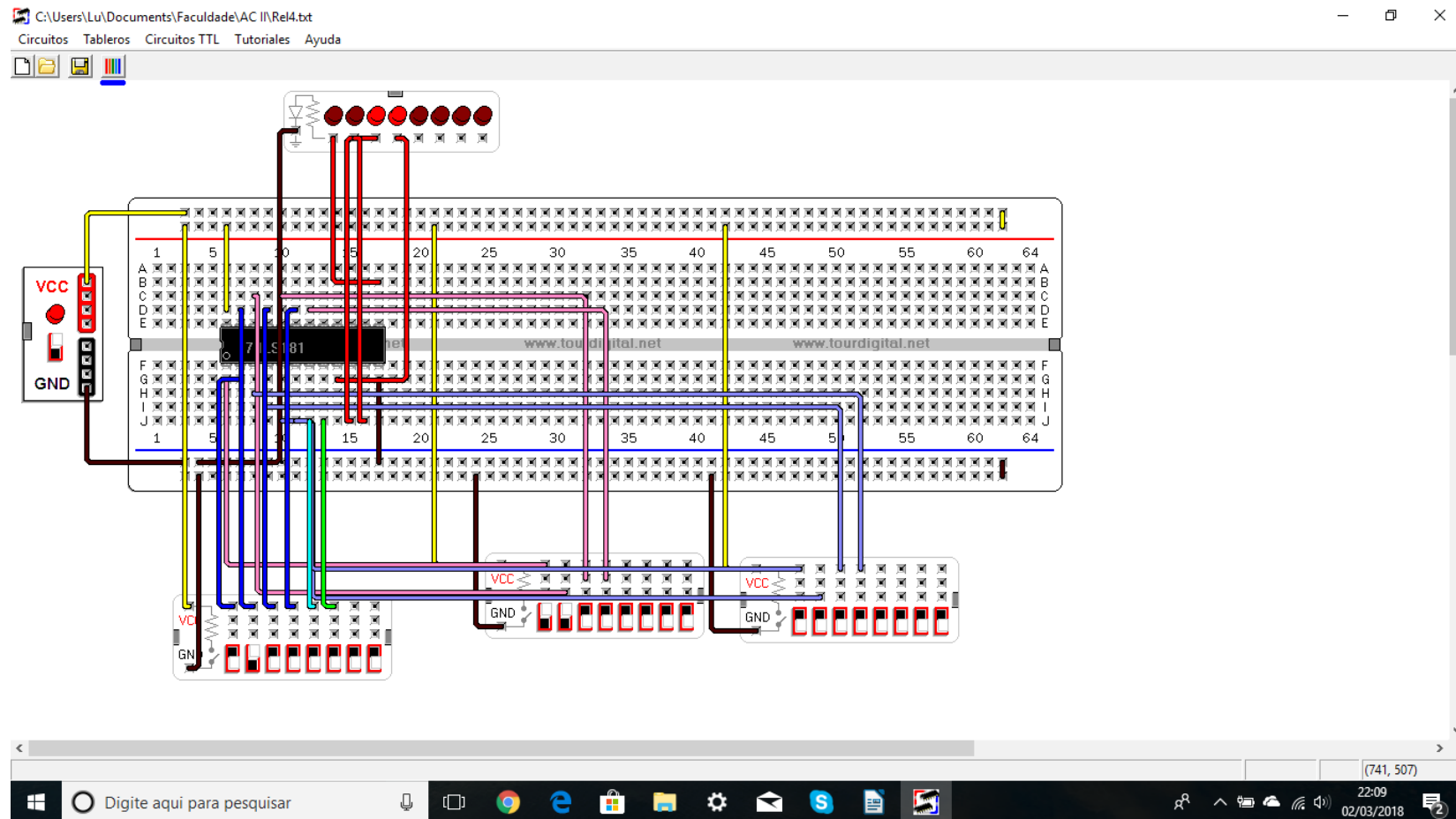


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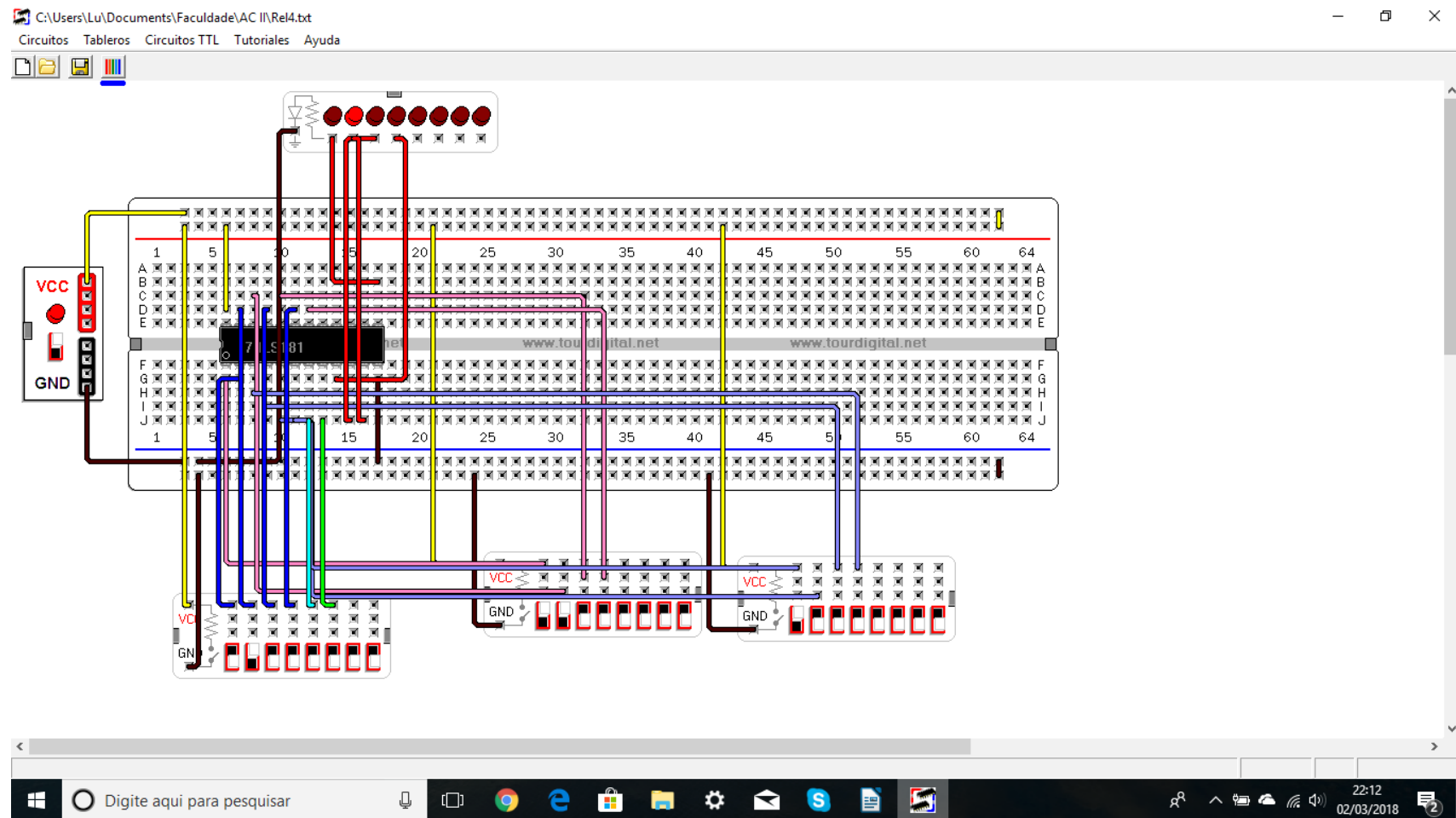
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Cn=0;M=0

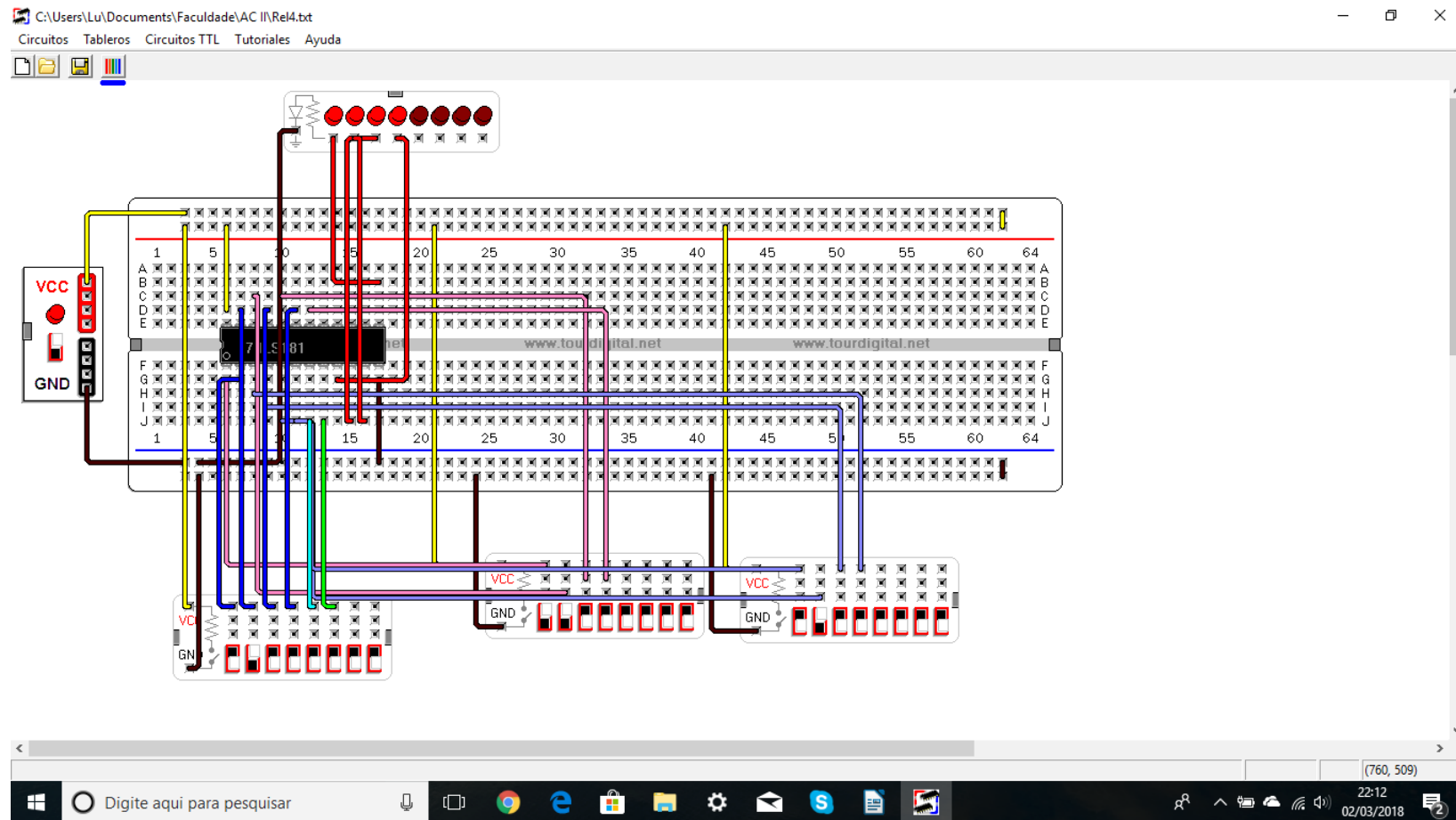




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Projeto da ULA no Logisim

