Vývojový kit TinyLab

Aktivita 7.1

****

*Jak poznáme, na kterou stranu se otáčí rotační enkodér?*

****

***změna***

*označ, pokud dojde na pinu D6 ke změně z log. 0 na log. 1 nebo naopak*

***test je log. 1***

*označ, pokud je po změně hodnota pinu D6 log. 1*

***hodnota směru***

*v případě, že došlo ke změně a hodnota pinu D6 je log. 1, pak vypiš logickou hodnotu pinu D7*

***směr***

*urči směr otáčení hřídele rotačního enkodéru*

Aktivita 7.1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *změna* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *test je log. 1* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *hodnota směru* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *směr* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *pin D6* | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| *pin D7* | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| *změna* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *test je log. 1* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *hodnota směru* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *směr* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *pin D6* | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| *pin D7* | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |

*****Urči směr otáčení rotačního enkodéru.*

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *změna* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *test je log. 1* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *hodnota směru* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *směr* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *pin D6* | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 |
| *pin D7* | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |

*****Vytvoř pro spolužáka tabulku a zkontroluj správné vypracování.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *změna* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *test je log. 1* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *hodnota směru* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *směr* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *pin D6* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *pin D7* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |