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| **CMPILER Final Exam: Regular Expression Accepter Test Cases** |  |
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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | | |  | | | | |
| **Item** | **Regular Expression** | | | **Expected Output** | | **Points** | |
|  | | (0U1)(0U1)\* | | | ACCEPT | |  | |
|  | | 1U(0U1)\*U1 | | | ACCEPT | |  | |
|  | | (0U1)((0U1)(0U1))\* | | | ACCEPT | |  | |
|  | | (1\*011\*(0U011\*))\* | | | ACCEPT | |  | |
|  | | (0U1)\*110(0U1)\*U\* | | | REJECT | |  | |
|  | | (0U1)(0U1)\*+ | | | REJECT | |  | |
|  | | (1\*011\*(0+011\*) | | | REJECT | |  | |
|  | | (0U1)U(0U1)(0U1)U(0U1)(0U1) | | | ACCEPT | |  | |
|  | | \*(1U0) | | | REJECT | |  | |
|  | | (abc1)?bc+u\*??a+ | | | REJECT | |  | |
|  | | helloworld | | | ACCEPT | |  | |
|  | | 1U(0U1)\*U1U01|a | | | REJECT | |  | |
|  | | a|(b|c)\*|c | | | REJECT | |  | |
|  | | ? | | | REJECT | |  | |
|  | | ((0U1)∗1Uε)(00)∗00? | | | ACCEPT | |  | |
|  | | (01U001U1)\*(0U00Uε) | | | ACCEPT | |  | |
|  | | ((aUb)U1)++ | | | REJECT | |  | |
|  | | a\*a(cUa)\* | | | ACCEPT | |  | |
|  | | a | | | ACCEPT | |  | |
|  | | (this\*is\*wrong(U) | | | REJECT | |  | |
|  | | (((((ε)))))\*((a)) | | | ACCEPT | |  | |
|  | | (((((ε)))))\*(a)) | | | REJECT | |  | |
|  | | ε U ε | | | ACCEPT | |  | |
|  | | bUU | | | REJECT | |  | |
|  | | iUwillUpassUcmpiler | | | ACCEPT | |  | |
| **Total** |  | | |  | | **/25** | |

**Plain Text File**

|  |
| --- |
| (0U1)(0U1)\*  1U(0U1)\*U1  (0U1)((0U1)(0U1))\*  (1\*011\*(0U011\*))\*  (0U1)\*110(0U1)\*U\*  (0U1)(0U1)\*+  (1\*011\*(0+011\*)  (0U1)U(0U1)(0U1)U(0U1)(0U1)  \*(1U0)  (abc1)?bc+u\*??a+  helloworld  1U(0U1)\*U1U01|a  a|(b|c)\*|c  ?  ((0U1)∗1Uε)(00)∗00?  (01U001U1)\*(0U00Uε)  ((aUb)U1)++  a\*a(cUa)\*  a  (this\*is\*wrong(U)  (((((ε)))))\*((a))  (((((ε)))))\*(a))  ε U ε  bUU  iUwillUpassUcmpiler |