|  |  |  |
| --- | --- | --- |
| **Regular expression** | **Description** | **Strings produced** |
| b a \* b | A b followed by zero or more a with b in the end | bb,bab,baab, … |
| 0+1+0 | One or more 0 followed by one or more 1s followed by 1 or more 0 | 010, 0110, … |
| (abc)+ | abc repeated any number of times | abc, abcabc, abcabcabc …. |
| a\*(ba) | Zero or more a followed by ba at end | ba, aba, aaba, … |
| a+ b? c | One or more a, followed by optional b with c at the end | ac, abc, aac, aabc, …. |
| (a|b|c)d\*e | One a, b or c followed by zero or more d with e at the end | ae, ade, bde, bdde, … |
| a+b | One or more a followed by b | ab, aab, aaab, aaaab, … |
| (a|b) c ? | One a or b wither followed by c or not | a, b, ac, bc |
| (ba)+(cd)+ | One or more ba followed by one or more cs | bacd, babacd, babacdcd, …. |
| a ? b \* | Optional a followed any number of b | b, ab, abb, abbb, ……. |
| (a | b) | a or b | a, b |
| (a|b|c)\* | Any number and combination of a,b and c | aa, abc, ab, abbcbcba,… |
| 1+|0+ | 1 or more ones, or 1 or more zer0 | 1,0,11,00,111,000,… |
| Joh?n | Jo followed by optional h and ends with n | Jon, John |

|  |  |
| --- | --- |
| **Strings** | **Regular expression** |
| bc, abc, aabc, … | a\*bc |
| b, a, ab, aa, bb, aabb, aab, abb, … | a\*b\* |
| 01,010,0110,01110,011110, … | 011\*0? |
| a,bc | a|bc |
| 1,11,1110,111100,… | 1+0\* |