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| Формальное описание конечного автомата | Формальное описание регулярной грамматики по заданному конечному автомату |
| X = {A…Z, a…z, 0…9, +, –, .}  S = {S0, S1, S2, … S66, S67, S68}  S0 = {S0}  F = {S1, S2},  где:  S1 – ключевые слова  S2 – константы  δ: |  |
| (S0, a) → S7  (S0, b) → S10  (S0, c) → S16  (S0, d) → S24  (S0, e) → S33  (S0, f) → S36  (S0, i) → S41  (S0, p) → S43  (S0, r) → S53  (S0, t) → S58  (S0, v) → S61  (S0, -) → S65  (S0, +) → S65  (S0, 0) → S64  (S0, 1) → S64  (S0, 2) → S64  (S0, 3) → S64  (S0, 4) → S64  (S0, 5) → S64  (S0, 6) → S64  (S0, 7) → S64  (S0, 8) → S64  (S0, 9) → S64  (S0, .) → S66 | S0 → aS7 | bS10 | cS16 | dS24 | eS33 | fS36 | iS41 | pS43 | rS53 | tS58 | vS61 | -S65 | +S66 | 0S64 | 1S64 | 2S64 | 3S64 | 4S64 | 5S64 | 6S64 | 7S64 | 8S64 | 9S64 | .S66 |
| (S7, u) → S8 | S7 → uS8 |
| (S8, t) → S9 | S8 → tS9 |
| (S9, o) → S1 | S9 → o |
| (S10, r) → S11  (S10, o) → S14 | S10 → rS11 | oS14 |
| (S11, e) → S12 | S11 → eS12 |
| (S12, a) → S13 | S12 → aS13 |
| (S13, k) → S1 | S13 → k |
| (S14, o) → S15 | S14 → oS15 |
| (S15, l) → S1 | S15 → l |
| (S16, l) → S17  (S16, h) → S20  (S16, a) → S22 | S16 → lS17 | hS20 | aS22 |
| (S17, a) → S18 | S17 → aS18 |
| (S18, s) → S19 | S18 → sS19 |
| (S19, s) → S1 | S19 → s |
| (S20, a) → S21 | S20 → aS21 |
| (S21, r) → S1 | S21 → r |
| (S22, s) → S23 | S22 → sS23 |
| (S23, e) → S1 | S23 → e |
| (S24, o) → S25  (S24, e) → S29 | S24 → oS25 | eS29 |
| (S25, u) → S26 | S25 → uS26 |
| (S26, b) → S27 | S26 → bS27 |
| (S27, l) → S28 | S27 → lS28 |
| (S28, e) → S1 | S28 → e |
| (S29, l) → S30 | S29 → lS30 |
| (S30, e) → S31 | S30 → eS31 |
| (S31, t) → S32 | S31 → tS32 |
| (S32, e) → S1 | S32 → e |
| (S33, l) → S34 | S33 → lS34 |
| (S34, s) → S35 | S34 → sS35 |
| (S35, e) → S1 | S35 → e |
| (S36, a) → S37  (S36, o) → S40 | S36 → aS37 | oS40 |
| (S37, l) → S38 | S37 → lS38 |
| (S38, s) → S39 | S38 → sS39 |
| (S39, e) → S1 | S39 → e |
| (S40, r) → S1 | S40 → r |
| (S41, n) → S42  (S41, f) → S1 | S41 → nS42 | f |
| (S42, t) → S1 | S42 → t |
| (S43, r) → S44  (S43, u) → S49 | S43 → rS44 | uS49 |
| (S44, i) → S45 | S44 → iS45 |
| (S45, v) → S46 | S45 → vS46 |
| (S46, a) → S47 | S46 → aS47 |
| (S47, t) → S48 | S47 → tS48 |
| (S48, e) → S1 | S48 → e |
| (S49, b) → S50 | S49 → bS50 |
| (S50, l) → S51 | S50 → lS51 |
| (S51, i) → S52 | S51 → iS52 |
| (S52, c) → S1 | S52 → c |
| (S53, e) → S54 | S53 → eS54 |
| (S54, t) → S55 | S54 → tS55 |
| (S55, u) → S56 | S55 → uS56 |
| (S56, r) → S57 | S56 → rS57 |
| (S57, n) → S1 | S57 → n |
| (S58, r) → S59 | S58 → rS59 |
| (S59, u) → S60 | S59 → uS60 |
| (S60, e) → S1 | S60 → e |
| (S61, o) → S62 | S61 → oS62 |
| (S62, i) → S63 | S62 → iS63 |
| (S63, d) → S1 | S63 → d |
| (S64, 0) → S64  (S64, 1) → S64  (S64, 2) → S64  (S64, 3) → S64  (S64, 4) → S64  (S64, 5) → S64  (S64, 6) → S64  (S64, 7) → S64  (S64, 8) → S64  (S64, 9) → S64  (S64, .) → S66 | S64 → 0S64 | 1S64 | 2S64 | 3S64 | 4S64 | 5S64 | 6S64 | 7S64 | 8S64 | 9S64 | .S66 |
| (S65, 0) → S64  (S65, 1) → S64  (S65, 2) → S64  (S65, 3) → S64  (S65, 4) → S64  (S65, 5) → S64  (S65, 6) → S64  (S65, 7) → S64  (S65, 8) → S64  (S65, 9) → S64 | S65 → 0S64 | 1S64 | 2S64 | 3S64 | 4S64 | 5S64 | 6S64 | 7S64 | 8S64 | 9S64 |
| (S66, 0) → S64  (S66, 1) → S64  (S66, 2) → S64  (S66, 3) → S64  (S66, 4) → S64  (S66, 5) → S64  (S66, 6) → S64  (S66, 7) → S64  (S66, 8) → S64  (S66, 9) → S64 | S66 → 0S64 | 1S64 | 2S64 | 3S64 | 4S64 | 5S64 | 6S64 | 7S64 | 8S64 | 9S64 |
| (S67, 0) → S2  (S67, 1) → S2  (S67, 2) → S2  (S67, 3) → S2  (S67, 4) → S2  (S67, 5) → S2  (S67, 6) → S2  (S67, 7) → S2  (S67, 8) → S2  (S67, 9) → S2  (S67, -) → S68  (S67, +) → S68 | S67 → 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | -S68 | + S68 |
| (S68, 0) → S2  (S68, 1) → S2  (S68, 2) → S2  (S68, 3) → S2  (S68, 4) → S2  (S68, 5) → S2  (S68, 6) → S2  (S68, 7) → S2  (S68, 8) → S2  (S68, 9) → S2 | S68 → 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |