

## 8. Automat ze stosem – odpowiedzi

8.1.

$$\{ a^{3n+1}b^{5n+1} \mid n \geq 0 \}$$

8.2.

$$\{ a^{3n+2}b^{7n+2} \mid n \geq 0 \}$$

8.3.

$$\{ a^{3n+2}b^{4n+3} \mid n \geq 0 \}$$

8.4.

$$\{ a^{3n+3}b^{5n+3} \mid n \geq 0 \}$$

8.5.

$$\{ a^{3n}(bdcbb)^n \mid n \geq 1 \}$$

8.6.

$$\{ a^{3n+1}b((db|a)^2bba)^n \mid n \geq 0 \}$$

8.7.

$$\{ (abc)^nabd^{7n+3} \mid n \geq 0 \}$$

8.8.

$$\{ (ab)^{2n+1}ad^{7n+5} \mid n \geq 0 \}$$

8.9.

$$\{ (abc)^naabdaaddbba(ccdddbba)^n \mid n \geq 0 \}$$

8.10.

$$\{ (abc)^nab(baacc)^n \mid n \geq 0 \}$$