#	שלול	נכסלי	מ"נ	שלילה	נכסלי	מ"נ
1	$q^h b^h c^h$	X	X	$\overline{q^h b^h c^h}$	X	✓
2	४Ψ	X	X	$\overline{४Ψ}$	X	✓
3	q^p	X	X	$\overline{q^p}$	X	X
4	$q^{h!}$	X	X	$\overline{q^{h!}}$	X	X
5	$q 2^i$	X	X	$\overline{q 2^i}$	X	X
6	q^{h^2}	X	X	$\overline{q^{h^2}}$	X	X
7	ww^{12}	X	✓	$\overline{ww^{12}}$	X	✓
8	$q^h b^h$	X	✓	$\overline{q^h b^h}$	X	✓
9	$q^i b^h c^{1k}$ $i = h + k$	X	✓	$\overline{q^i b^h c^{1k}}$ $i = h + k$	X	✓
10	$q^h b^h c^i \wedge q^k b^t c^t$ $i = h$ $q^h b^h c^h$	X	X	$\overline{q^h b^h c^h}$	X	✓

#	פ(ו,נ)	(נאסלי)	ט"יב	שאלהל	(נאסלי)	ט"יב
11	$a^h\, b^m\, c^m\, d^h$	X	✓	$\overline{}$ $a^h\, b^m\, c^m\, d^h$	X	✓
12	$a^h\, b^m\, c^u\, d^m$	X	X	$\overline{}$ $a^h\, b^m\, c^u\, d^m$	X	X
13	$a^u\, b^h\, \cup\, a^*$	X	✓	$\overline{}$ $a^u\, b^h\, \cup\, a^*$	X	✓
14	$a^u\, b^h\, \cup\, (ab)^*$	X	✓	$\overline{}$ $a^u\, b^h\, \cup\, (ab)^*$	X	✓
15	$a^h\, b^h\, c^k$ $\quad h>k$	X	X	$\overline{}$ $a^h\, b^h\, c^k$ $\quad h>k$	X	✓
16	$a^u\, b^h\, \cup\, a^*\, b^*$	✓	✓	$\overline{}$ $a^u\, b^h\, \cup\, a^*\, b^*$	✓	✓
17	$a^p\, a^q = a^{p+q}$ $a,p\ge 2 \quad a^{2h}, h\ge 3$	✓	✓	$\overline{}$ a^{2h} $\quad h\ge 3$	✓	✓
18	$a^u\, b$	X	X	$\overline{}$ $a^u\, b$	X	X
19	$a^p\, b^q$	X	X	$\overline{}$ $a^p\, b^q$	X	X
20	$H_a(w) = H_b(w)$	X	✓	$\overline{}$ $H_a(w) = H_b(w)$	X	✓

#	שפה	(שגוי)	ח"כ	שאלה	(שגוי)	ח"כ
21	$a^i b^k c^z \mid i < k+z$	X	✓	$\overline{a^i b^k c^z \mid i < k+z}$	X	✓
22	$a^n b^{k^2}$	X	X	$\overline{a^n b^{k^2}}$	X	X
23	$a^i b^j c^k \mid i=j=k$ or $i>50$	✓	✓	$\overline{a^i b^j c^k \mid i=k=k \text{ or } i>50}$	✓	✓
24	$a^n b^m c^k \mid (n+m)_{mod} = k \bmod 3$	✓	✓	$a^n b^m c^k \mid (n+m)_{mod} = k \bmod 3$	✓	✓
25	$L=\{xyz \mid x,y,z \in \{a,b\}^* \text{ And } |x| \le |y| \le |z|\}$ since $x=y=\epsilon, z=\epsilon^*$	✓	✓	$\overline{L=\{xyz \mid x,y,z \in \{a,b\}^* \text{ And } |x| \le |y| \le |z|\}}$	✓	✓
26	$(ab)^h a (ba)^{2h}$	✓	✓	$\overline{(ab)^h a (ba)^{2h}}$	✓	✓
27						
28						
29						
30						

20) $H_a(w) = H_b(w)$

$S \longrightarrow aSb \mid bSa \mid SS \mid \epsilon$

27) $a^i b^k c^z \mid i < k + z$

$S \longrightarrow aSc \mid Sc \mid Xc \mid Y$

$X \longrightarrow aXb \mid Xb \mid \epsilon$

$Y \longrightarrow aYb \mid Yb \mid b$

26) $(ab)^h a (bg)^{zh}$ $\left(a b a b a b \right)^* a$