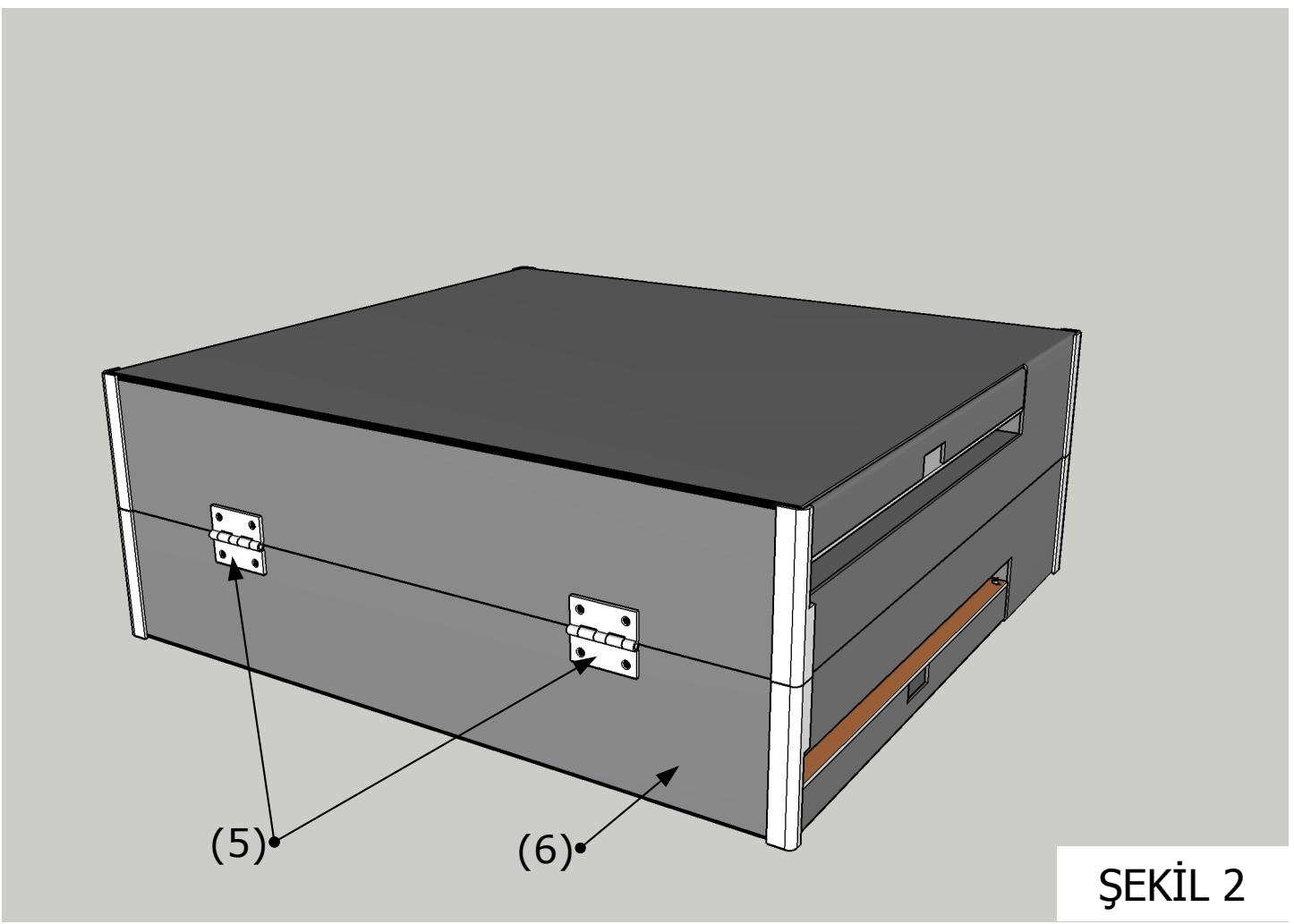
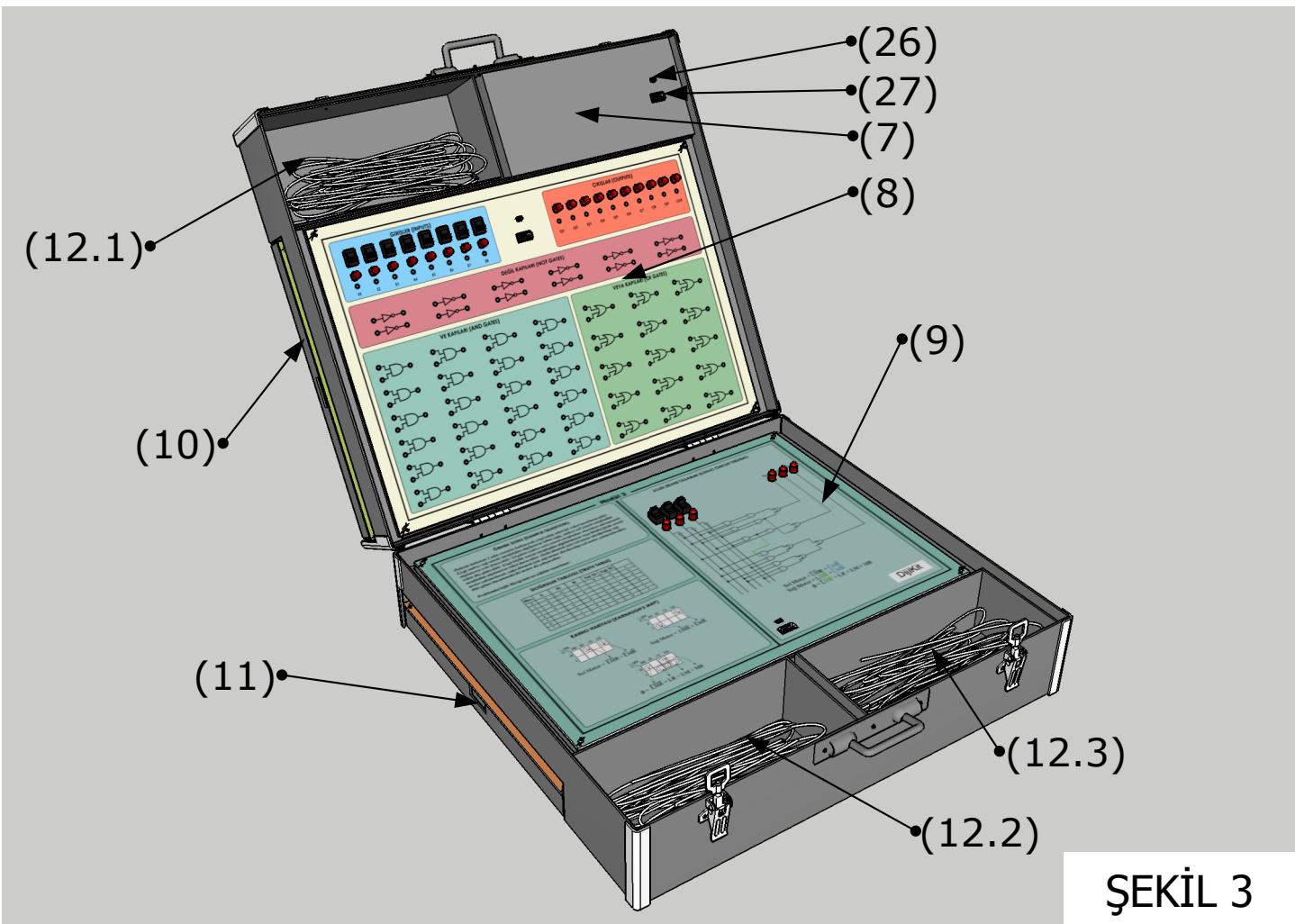


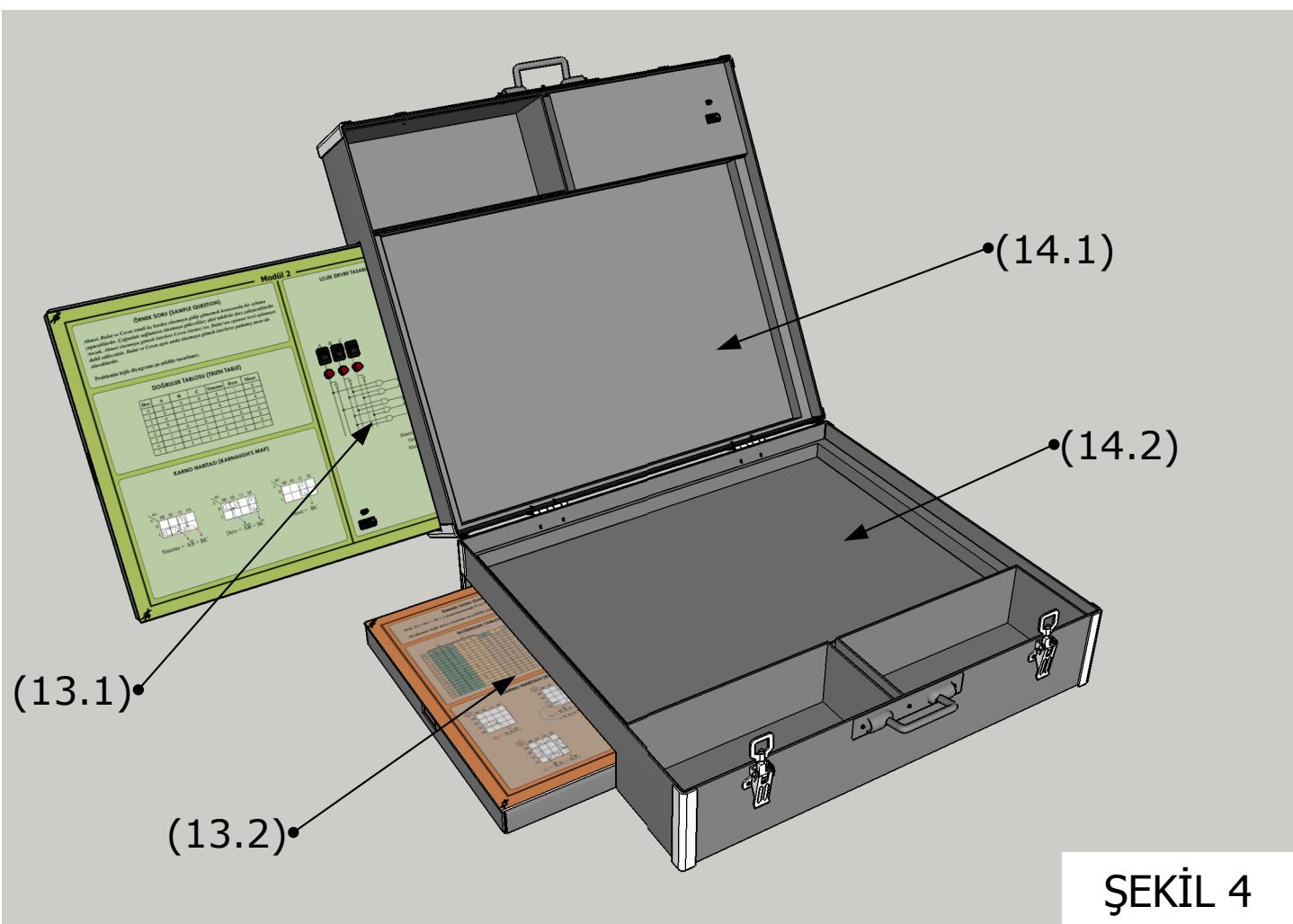
ŞEKİL 1



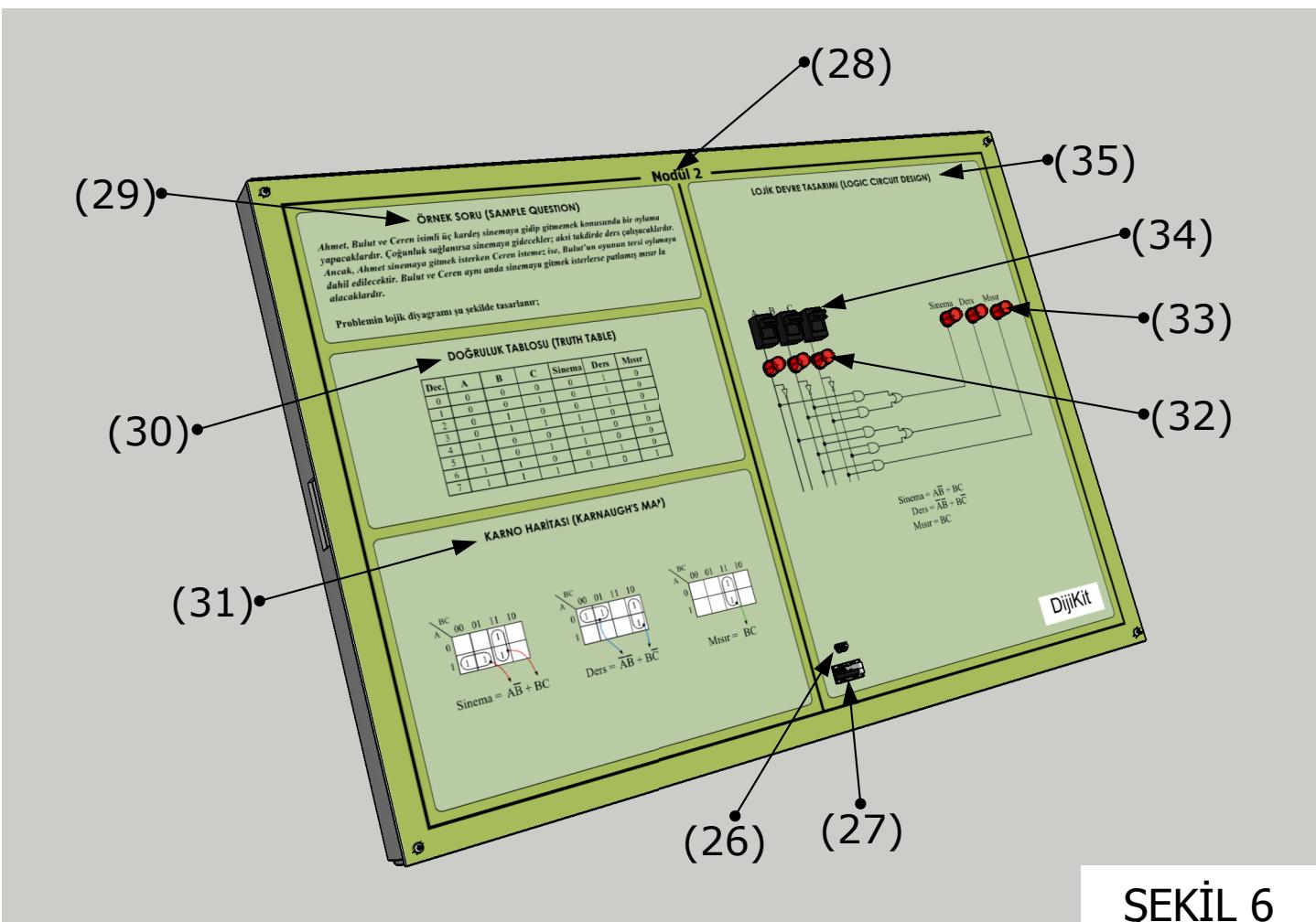
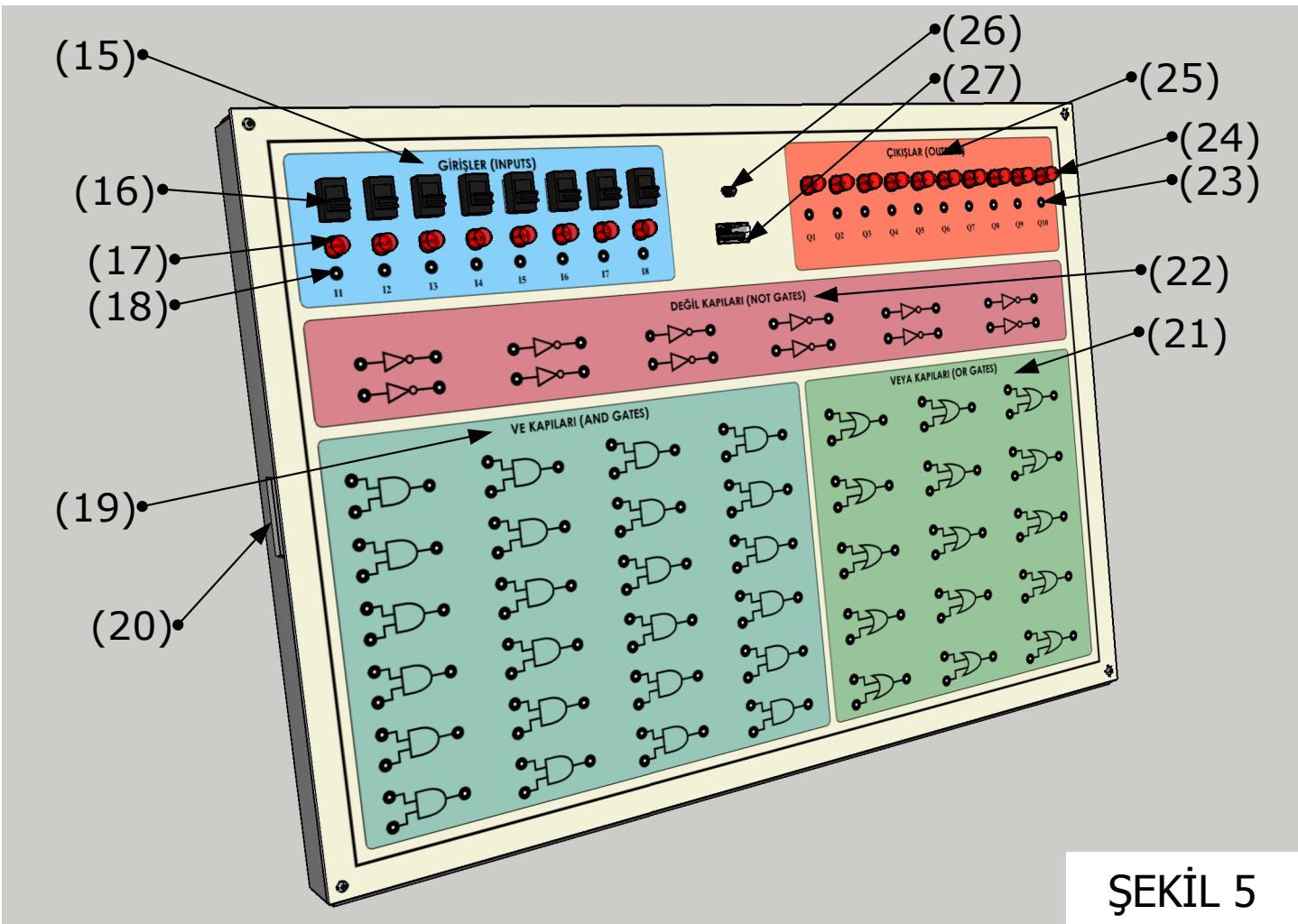
ŞEKİL 2

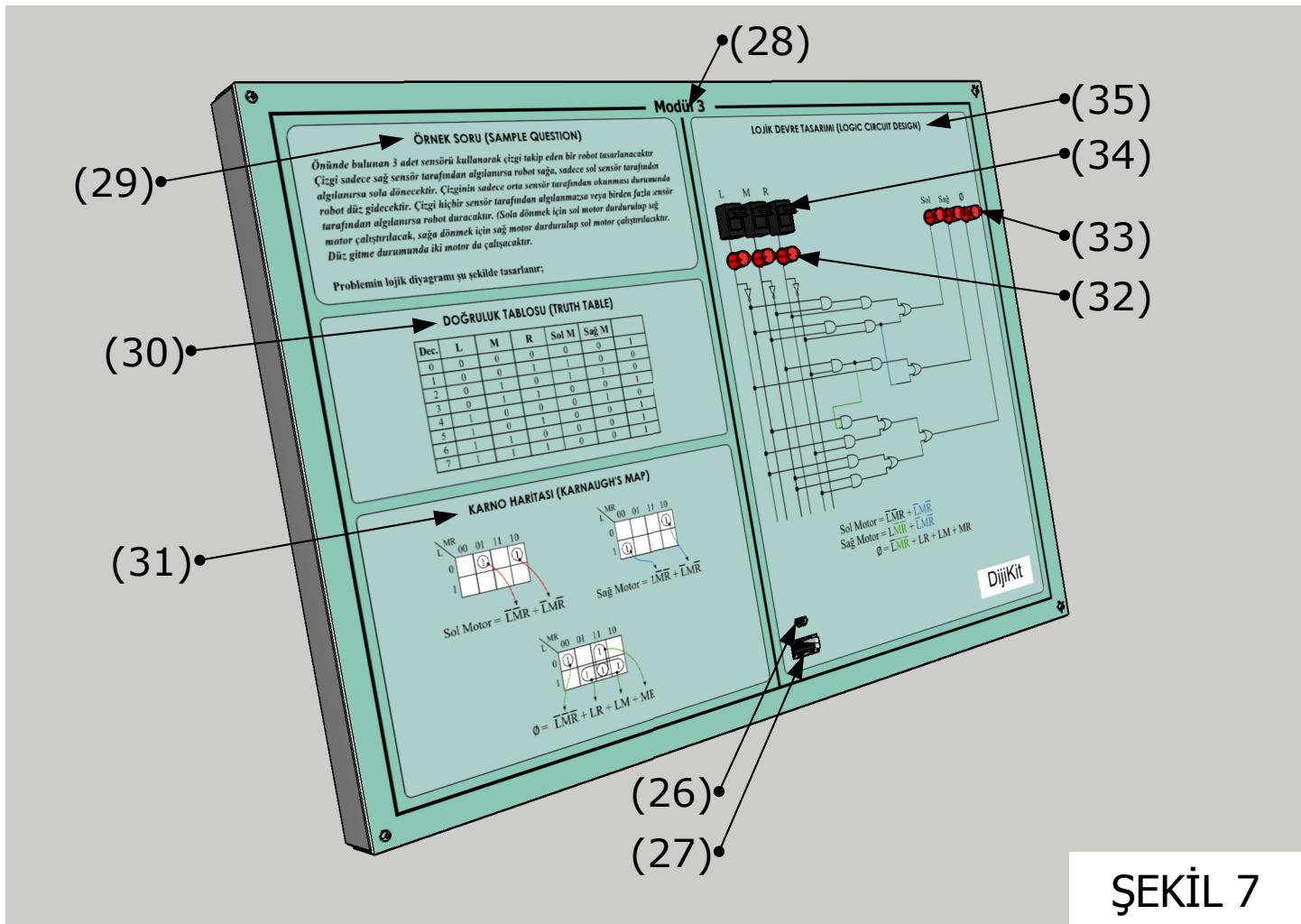


ŞEKİL 3

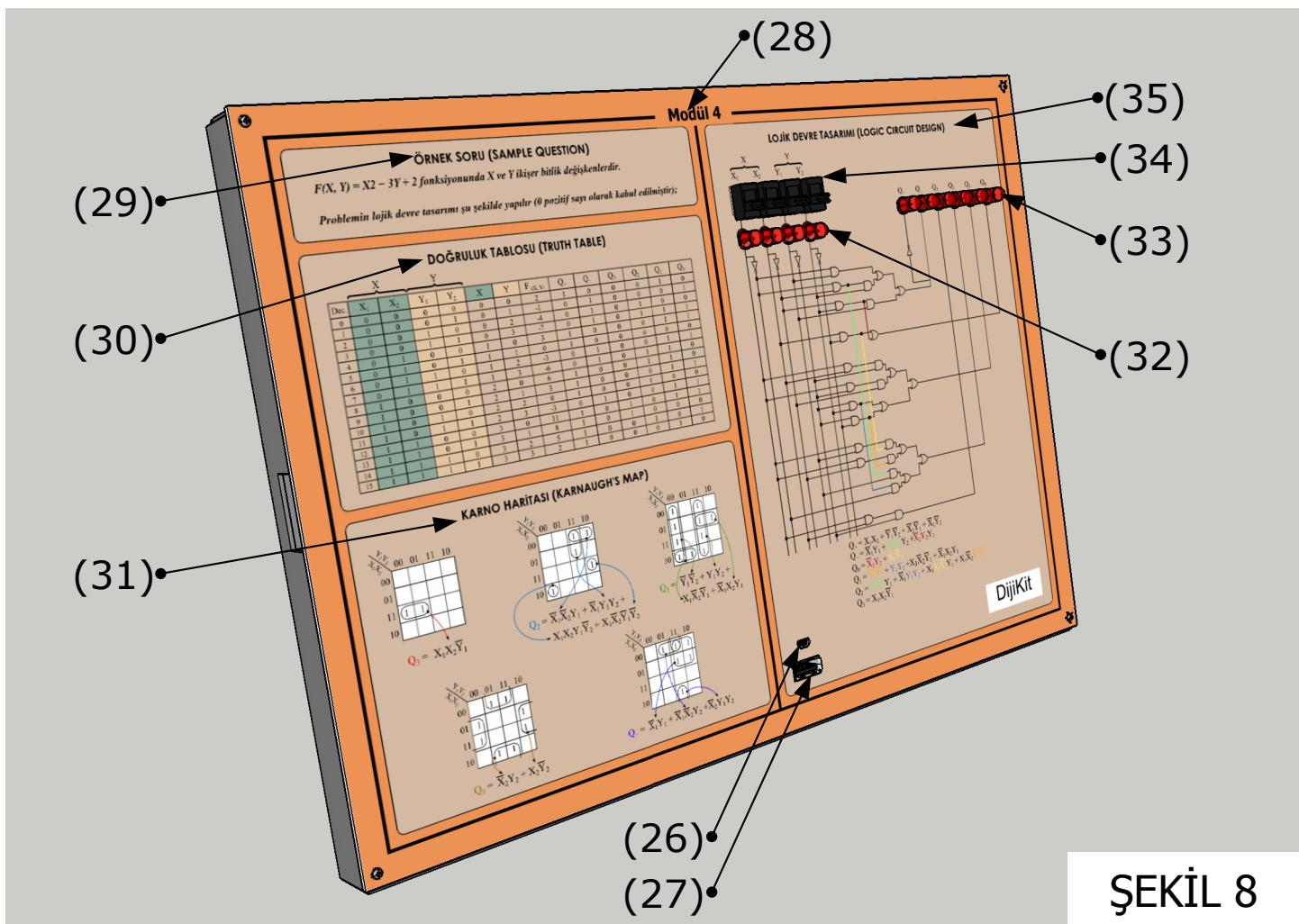


ŞEKİL 4

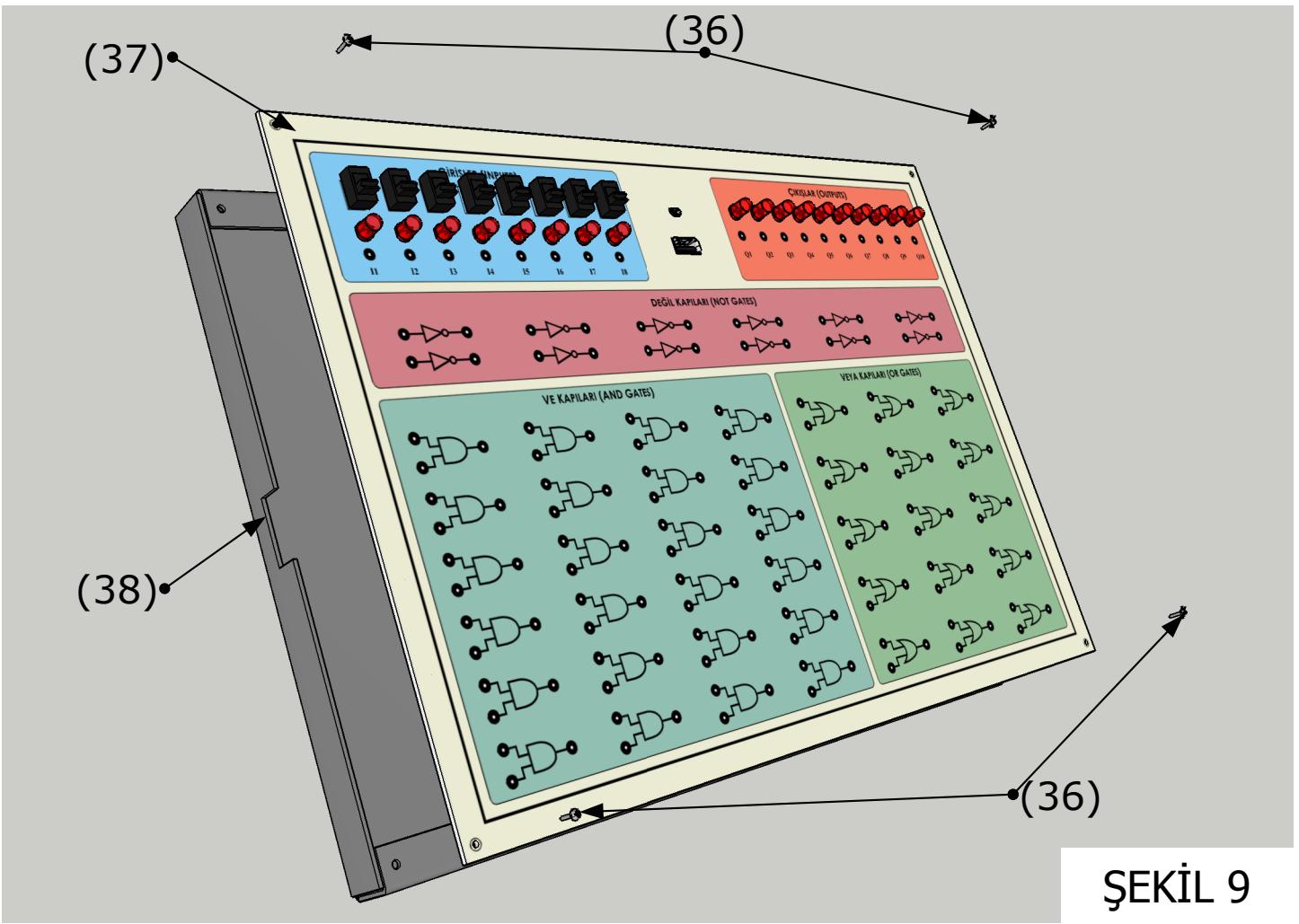




ŞEKİL 7



ŞEKİL 8



ŞEKİL 9

Görsel Tasarım		Devre Tasarımı																																																															
Modül 1	<p>GİRİŞLER (INPUTS) ve ÇIKSLAR (OUTPUTS)</p> <p>DİĞİL KAPILARI (NOT GATES)</p> <p>VE KAPILARI (AND GATES)</p> <p>VEYA KAPILARI (OR GATES)</p>																																																																
Modül 2	<p>ÖRNEK SORU (SAMPLE QUESTION)</p> <p>Aşağıda, Buleşir ve Cevap sistemi gibi hizmetler sunanıza gidiyor. Hizmete sunanın sistemdeki bir soruya yanıt vermek istiyorsanız, soruyu sorunun yanısına yazın. Soruya yanıt vermek istemiyorsanız, boş bırakın. Aşağıda, Buleşir sunanın gerek istenilen Cevap sunanız ise, Buleşir sunanın rica etmek istediyinizde, boş bırakın. Buleşir veya gerek istenilen Cevap sunanız ise, Buleşir sunanın rica etmek istediyinizde, boş bırakın.</p> <p>Problemi logic diagrama ve tabloda gösterin:</p> <p>DOĞRULUK TABLOSU (TRUTH TABLE)</p> <table border="1"> <thead> <tr> <th>Dec.</th> <th>A</th> <th>B</th> <th>C</th> <th>Sistem</th> <th>Ders</th> <th>Mesr</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td></tr> <tr><td>1</td><td>0</td><td>0</td><td>1</td><td>0</td><td>1</td><td>0</td></tr> <tr><td>2</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>1</td></tr> <tr><td>3</td><td>0</td><td>1</td><td>1</td><td>1</td><td>0</td><td>0</td></tr> <tr><td>4</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>5</td><td>1</td><td>0</td><td>1</td><td>1</td><td>0</td><td>0</td></tr> <tr><td>6</td><td>1</td><td>1</td><td>0</td><td>0</td><td>1</td><td>0</td></tr> <tr><td>7</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></tr> </tbody> </table> <p>KARNO HARİTASI (KARNAUGH'S MAP)</p> <p>Sistem = $\bar{A}B + BC$ Ders = $\bar{A}B + \bar{C}C$ Mesr = $\bar{B}C$</p>	Dec.	A	B	C	Sistem	Ders	Mesr	0	0	0	0	0	1	0	1	0	0	1	0	1	0	2	0	1	0	0	0	1	3	0	1	1	1	0	0	4	1	0	0	0	0	0	5	1	0	1	1	0	0	6	1	1	0	0	1	0	7	1	1	1	1	1	1	<p>LOJİK DEVRE TASARIMI (LOGIC CIRCUIT DESIGN)</p> <p>A B C Sistem Ders Mesr</p> <p>$Sistem = \bar{A}B + BC$ $Ders = \bar{A}B + \bar{C}C$ $Mesr = \bar{B}C$</p> <p>DijiKit</p>
Dec.	A	B	C	Sistem	Ders	Mesr																																																											
0	0	0	0	0	1	0																																																											
1	0	0	1	0	1	0																																																											
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4	1	0	0	0	0	0																																																											
5	1	0	1	1	0	0																																																											
6	1	1	0	0	1	0																																																											
7	1	1	1	1	1	1																																																											
Modül 3	<p>ÖRNEK SORU (SAMPLE QUESTION)</p> <p>Aşağıda, L, M, R, Sol, Sağ, Motor adlı hizmetler sunanıza gidiyor. Hizmete sunanın sistemdeki bir soruya yanıt vermek istiyorsanız, soruyu sorunun yanısına yazın. Soruya yanıt vermek istemiyorsanız, boş bırakın. Aşağıda, L, M, R sunanın gerek istenilen Cevap sunanız ise, L, M, R sunanın rica etmek istediyinizde, boş bırakın. L, M, R sunanın gerek istenilen Cevap sunanız ise, L, M, R sunanın rica etmek istediyinizde, boş bırakın.</p> <p>Problemi logic diagrama ve tabloda gösterin:</p> <p>DOĞRULUK TABLOSU (TRUTH TABLE)</p> <table border="1"> <thead> <tr> <th>Dec.</th> <th>L</th> <th>M</th> <th>R</th> <th>Sol</th> <th>Sağ</th> <th>M</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>1</td></tr> <tr><td>3</td><td>0</td><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>4</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td></tr> <tr><td>5</td><td>1</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>6</td><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>1</td></tr> <tr><td>7</td><td>1</td><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td></tr> </tbody> </table> <p>KARNO HARİTASI (KARNAUGH'S MAP)</p> <p>Sol Motor = $\bar{L}\bar{M}R + LM\bar{R}$ Sag Motor = $\bar{L}MR + \bar{L}M\bar{R}$ $\emptyset = LM\bar{R} + LR + LM + MR$</p>	Dec.	L	M	R	Sol	Sağ	M	0	0	0	0	0	0	0	1	0	0	1	0	0	0	2	0	1	0	0	0	1	3	0	1	1	0	0	0	4	1	0	0	0	0	1	5	1	0	1	0	0	0	6	1	1	0	0	0	1	7	1	1	1	0	0	0	<p>LOJİK DEVRE TASARIMI (LOGIC CIRCUIT DESIGN)</p> <p>L M R Sol Sağ \emptyset</p> <p>$Sol Motor = \bar{L}\bar{M}R + LM\bar{R}$ $Sag Motor = \bar{L}MR + \bar{L}M\bar{R}$ $\emptyset = LM\bar{R} + LR + LM + MR$</p> <p>DijiKit</p>
Dec.	L	M	R	Sol	Sağ	M																																																											
0	0	0	0	0	0	0																																																											
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6	1	1	0	0	0	1																																																											
7	1	1	1	0	0	0																																																											
Modül 4	<p>ÖRNEK SORU (SAMPLE QUESTION)</p> <p>$P(X, Y) = X^2 - XY + Y^2$ ifadesini kullanarak $X \vee Y$ hizmeti develope edin.</p> <p>Problemi logic devre tasarımı ve tabloda gösterin (veya puanıza uygun olarak kabul alınacaktır):</p> <p>DOĞRULUK TABLOSU (TRUTH TABLE)</p> <table border="1"> <thead> <tr> <th>X</th> <th>Y</th> <th>$X \vee Y$</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>0</td><td>1</td></tr> <tr><td>0</td><td>1</td><td>1</td></tr> <tr><td>1</td><td>1</td><td>1</td></tr> </tbody> </table> <p>KARNO HARİTASI (KARNAUGH'S MAP)</p> <p>$Q = X_1X_2\bar{X}_3\bar{X}_4$ $Q = X_1\bar{X}_2X_3\bar{X}_4 + X_1\bar{X}_2\bar{X}_3X_4$ $Q = X_1X_2\bar{X}_3X_4 + X_1\bar{X}_2X_3X_4$ $Q = X_1X_2X_3\bar{X}_4 + X_1X_2\bar{X}_3X_4$ $Q = X_1X_2X_3X_4 + X_1\bar{X}_2X_3X_4$</p>	X	Y	$X \vee Y$	0	0	0	1	0	1	0	1	1	1	1	1	<p>LOJİK DEVRE TASARIMI (LOGIC CIRCUIT DESIGN)</p> <p>$Q_1 Q_2 Q_3 Q_4$</p> <p>$Q = X_1X_2\bar{X}_3\bar{X}_4$ $Q = X_1\bar{X}_2X_3\bar{X}_4 + X_1\bar{X}_2\bar{X}_3X_4$ $Q = X_1X_2\bar{X}_3X_4 + X_1\bar{X}_2X_3X_4$ $Q = X_1X_2X_3\bar{X}_4 + X_1X_2\bar{X}_3X_4$ $Q = X_1X_2X_3X_4 + X_1\bar{X}_2X_3X_4$</p> <p>DijiKit</p>																																																
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