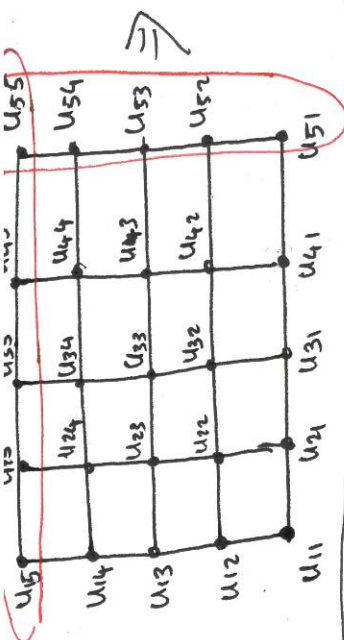


$$B = \begin{pmatrix} -4 & 1 & 0 & 1 \\ 1 & -4 & 1 & 0 \\ 0 & 1 & -4 & 1 \\ 1 & 0 & 1 & -4 \end{pmatrix}$$

$$\Rightarrow \begin{pmatrix} B & I & 0 & I \\ I & B & I & 0 \\ 0 & I & 0 & I \\ I & 0 & I & B \end{pmatrix}$$



Boundary conditions

	u <sub>11</sub>	u <sub>12</sub>	u <sub>13</sub>	u <sub>14</sub>	u <sub>21</sub>	u <sub>22</sub>	u <sub>23</sub>	u <sub>24</sub>	u <sub>31</sub>	u <sub>32</sub>	u <sub>33</sub>	u <sub>34</sub>	u <sub>41</sub>	u <sub>42</sub>	u <sub>43</sub>	u <sub>44</sub>
u <sub>11</sub>	-4	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0
u <sub>12</sub>	1	-4	1	0	0	1	0	0	0	0	0	0	0	1	0	0
u <sub>13</sub>	0	1	-4	1	0	0	1	0	0	0	0	0	0	0	1	0
u <sub>14</sub>	1	0	1	-4	0	0	0	1	0	0	0	0	0	0	0	1
u <sub>21</sub>	1	0	0	0	-4	1	0	1	1	0	0	0	0	0	0	0
u <sub>22</sub>	0	1	0	0	1	-4	1	0	0	1	0	0	0	0	0	0
u <sub>23</sub>	0	0	1	0	0	1	-4	1	0	0	1	0	0	0	0	0
u <sub>24</sub>	0	0	0	1	1	0	1	-4	0	0	0	1	0	0	0	0
u <sub>31</sub>	0	0	0	0	1	0	0	0	-4	1	0	1	1	0	0	0
u <sub>32</sub>	0	0	0	0	0	1	0	0	1	-4	1	0	0	1	0	0
u <sub>33</sub>	0	0	0	0	0	0	1	0	0	1	-4	1	0	0	1	0
u <sub>34</sub>	0	0	0	0	0	0	0	1	1	0	1	-4	0	0	0	1
u <sub>41</sub>	1	0	0	0	0	0	0	0	1	0	0	0	-4	1	0	1
u <sub>42</sub>	0	1	0	0	0	1	0	0	0	1	0	0	1	-4	1	0
u <sub>43</sub>	0	0	1	0	0	0	1	0	0	0	1	0	0	1	-4	1
u <sub>44</sub>	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	-4

Boundary conditions