```
GenStencilPoints[n1_, type_] := Module[{n = n1, t = type, i, j, k, StencilPoints},
  If [type \leq 2,
   StencilPoints = Table [0, {j, n}, {i, n+n^2}];
For [i = 1, i \le n, i++,
StencilPoints[[i, 2*i]] = -1;
StencilPoints [[i, 2*i-1]] = 1
   ];
i = 2 * n + 1;
For [k = 1, k \le n, k++,
For [j = k+1, j \le n, j++,
StencilPoints[[k, i]] = 1;
StencilPoints[[k, i+1]] = -1;
If [type = 1,
StencilPoints[[j, i]] = 1;
StencilPoints[[j, i+1]] = -1
StencilPoints[[j, i]] = -1;
StencilPoints[[j, i+1]] = 1
];
     i = i + 2;
]]];
  If [type == 5,
   StencilPoints = Table [0, {j, n}, {i, 2n^2}];
For [i = 1, i \le n, i++,
StencilPoints[[i, 2*i]] = -1;
StencilPoints[[i, 2*i-1]] = 1
   ];
i = 2 * n + 1;
For [k = 1, k \le n, k++,
For [j = k+1, j \le n, j++,
StencilPoints[[k,i]] = 1;
StencilPoints[[k, i+1]] = -1;
StencilPoints[[k, i + 2]] = 1;
StencilPoints[[k, i+3]] = -1;
StencilPoints[[j, i]] = 1;
StencilPoints[[j, i+1]] = -1;
StencilPoints[[j, i+2]] = -1;
StencilPoints[[j, i + 3]] = 1;
     i = i + 4;
```