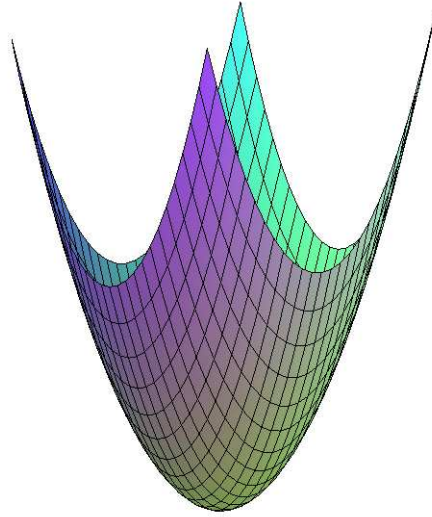


```

> with(plottools);
[arc, arrow, circle, cone, cuboid, curve, cutin, cutout, cylinder, disk, dodecahedron, ellipse,
  ellipticArc, hemisphere, hexahedron, homothety, hyperbola, icosahedron, line, octahedron,
  parallelepiped, pieslice, point, polygon, project, rectangle, reflect, rotate, scale, semitorus,
  sphere, stellate, tetrahedron, torus, transform, translate]
> with(plots);
[animate, animate3d, animatecurve, arrow, changecoords, complexplot, complexplot3d,
  conformal, conformal3d, contourplot, contourplot3d, coordplot, coordplot3d, densityplot,
  display, dualaxisplot, fieldplot, fieldplot3d, gradplot, gradplot3d, graphplot3d, implicitplot,
  implicitplot3d, inequal, interactive, interactiveparams, intersectplot, listcontplot,
  listcontplot3d, listdensityplot, listplot, listplot3d, loglogplot, logplot, matrixplot, multiple,
  odeplot, pareto, plotcompare, pointplot, pointplot3d, polarplot, polygonplot, polygonplot3d,
  polyhedra_supported, polyhedraplot, rootlocus, semilogplot, setcolors, setoptions,
  setoptions3d, spacecurve, sparsematrixplot, surfdata, textplot, textplot3d, tubeplot]
>
> a:=-1 : b:=1: c:=-1: d:=1:
>
>
> kx:=5: ky:=5:
>
> f:=(x,y)-> x^2 + y^2;
                                      $f := (x, y) \rightarrow y^2 + x^2$ 
> xsiz:=b-a: ysiz:=d-c:
> g:=plot3d(f, a..b, a..b):
>
>
>
> ff:=f(a+xsiz*(m+1)/kx,c+ysiz*(n+1)/ky):
> v:=( [a+xsiz*m/kx,c+ysiz*n/ky,0], [a+xsiz*(m+1)/kx,c+ysiz*(n+1)/ky
  ,ff] ):
> vv:( [-3*a,c+ysiz*n/ky,0], [-3*a+xsiz*(1)/kx,c+ysiz*(n+1)/ky,ff] )
  :
>
>
> rez:=m->display(seq(cuboid(v), n=0..(ky-1)),lightmodel=light3,
  shading=xyz,style=patch ):
> rezz:=m->display(seq(cuboid(vv), n=0..(ky-1)),lightmodel=light3,
  shading=xyz,style=patch ):
> p:=seq(seq(display(cuboid(v), color=blue), n=0..(ky-1)),
  m=0..(kx-1)):
> REZ:=seq(rez(m), m=0..(kx-1)):
> REZZ:=seq(rezz(m), m=0..(kx-1)):
> REZANI:=display(g,REZ,insequence=true):

```

```
[ > REZANII:=display(g,REZZ,insequence=true):  
[ > display(g,REZANI, REZANII);
```



```
[ >  
[ >  
[ >
```