

```
Do[Print[{Prime[i], PowersRepresentations[Prime[i], 2, 2]}], {i, 2, 50}]
```

```
{3, {}}  
{5, {{1, 2}}}  
{7, {}}  
{11, {}}  
{13, {{2, 3}}}  
{17, {{1, 4}}}  
{19, {}}  
{23, {}}  
{29, {{2, 5}}}  
{31, {}}  
{37, {{1, 6}}}  
{41, {{4, 5}}}  
{43, {}}  
{47, {}}  
{53, {{2, 7}}}  
{59, {}}  
{61, {{5, 6}}}  
{67, {}}  
{71, {}}  
{73, {{3, 8}}}  
{79, {}}  
{83, {}}  
{89, {{5, 8}}}  
{97, {{4, 9}}}
```

```
.....
```