```
(* Simulate equipartition for the number e at levels 1 and 2 *)
```

In[556]:=
```
(* Decimal expansion of e, small *)
e = RealDigits[E, 10, 50]; (* number, base, length of digits *)
smallE = e[[1]];
f[n_] := N[ Sum_{k=1}^{Length[smallE]} If[{smallE[[k]]} == {n}, 1, 0] / (Length[smallE]) ]
equipartition = {};
```

In[560]:=
```
For[i = 0, i < 10, i++, AppendTo[equipartition, f[i]];];
equipartition
```

Out[561]=
```
{0.06, 0.06, 0.16, 0.08, 0.1, 0.1, 0.08, 0.14, 0.1, 0.12}
```

In[562]:=
```
BarChart[{equipartition}]
```

Out[562]=