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```
In [64]: import numpy as np
         import matplotlib.pyplot as plt
         x=np.arange(0,23)
         x1=np.arange(0,60)
         y=[3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139,
         3139]
         y=np.append(y,np.ones(37)*3139)
         plt.plot(x1,y)
         ax=plt.gca()
         ax.set_xlim([0,60])

         y1=[3138,
         3138,
         3138,
         3138,
         3139,
         3140,
```

```
3142,
3146,
3154,
3171,
3208,
3286,
3435,
3747,
4389,
5925,
8997,
15141,
27429,
52005,
101157,
199459,
396067

]
plt.plot(x,y1,'g')
ax=plt.gca()
ax.set_xlim([0,60])
ax.set_ylim([3000,4000])

y2=[3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154,
3154]
plt.plot(x,y2,'r')
```

```
ax=plt.gca()
ax.set_xlim([-10,60])

plt.ylabel('Cache misses (in D)')
plt.xlabel('Bitlength')
plt.title('Plot of cache misses v/s binary strings on Intel i7')

plt.show()
```

Plot of cache misses v/s binary strings on Intel i7