Eg. \textproc{INTEGER32} = 0000 000F; \textproc{ADDRESS32} = 0080 000F

\textbf{PAGE SIZE} = 4 kbytes \textbf{-->} \textbf{SPACE} = 12 bits

\textbf{ADDRESS32}(00800 00F): \textcolor{red}{\textbf{PageNumber}=00800 \textcolor{blue}{\textbf{PageOffset}=00F}}

Physical Address (PA) space = 44 bits.

\textbf{Page Table Entry (PTE) start address PA}: 0001 0000 000

<table>
<thead>
<tr>
<th>Page Number</th>
<th>PTE address</th>
<th>PTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>00000</td>
<td>0001 0000 000</td>
<td>00 02 00 00 valid</td>
</tr>
<tr>
<td>00001</td>
<td>0001 0000 004</td>
<td>00 02 00 01 valid</td>
</tr>
<tr>
<td>00002</td>
<td>0001 0000 008</td>
<td>00 02 00 02 valid</td>
</tr>
<tr>
<td>00003</td>
<td>0001 0000 00C</td>
<td>00 02 00 03 valid</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>00007</td>
<td>0001 0000 01C</td>
<td>00 02 00 07 valid</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>00400</td>
<td>0001 0001 000</td>
<td>00 02 04 00 valid</td>
</tr>
<tr>
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<tr>
<td>00800</td>
<td>0001 0002 000</td>
<td>00 02 08 00 valid</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

\textbf{FrameNumber} = \textcolor{red}{00020800}; \textbf{FrameOffset} = \textcolor{blue}{00F}

\textbf{Physical Address} = \textcolor{red}{0002 0800 00F} \textcolor{yellow}{INTEGER32} = 0000 000F

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