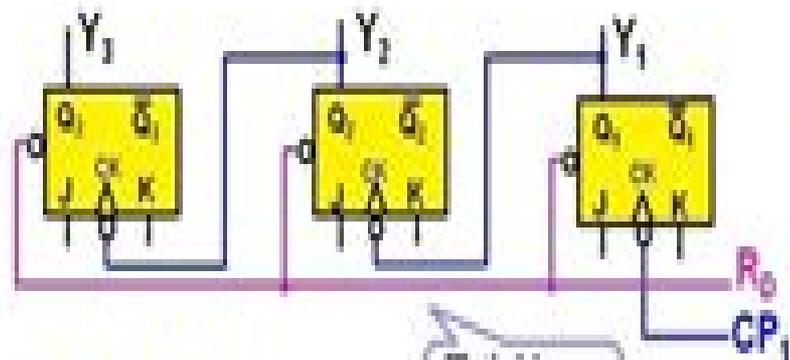


Digital Logic Design - Asynchronous Counter

③ 状态转换表



① 输入方程

$$J_1 = K_1 = 1 \quad CP_1 \downarrow$$

$$J_2 = K_2 = 1 \quad CP_2 = Y_1 \downarrow$$

$$J_3 = K_3 = 1 \quad CP_3 = Y_2 \downarrow$$

异步Moor
型时序电路

异步模8加
法计数器

现态			次态			时钟		
Y_3^n	Y_2^n	Y_1^n	Y_3^{n+1}	Y_2^{n+1}	Y_1^{n+1}	CP_3	CP_2	CP_1
0	0	0	0	0	1	无	无	↓
0	0	1	0	1	0	无	↓	↓
0	1	0	0	1	1	无	无	↓
0	1	1	1	0	0	↓	↓	↓
1	0	0	1	0	1	无	无	↓
1	0	1	1	1	0	无	↓	↓
1	1	0	1	1	1	无	无	↓
1	1	1	0	0	0	↓	↓	↓

② 次态方程

$$Y_1^{n+1} = J_1 \bar{Q}_1 + \bar{K}_1 Q_1 = \bar{Y}_1 \quad CP_1 \downarrow$$

$$Y_2^{n+1} = J_2 \bar{Q}_2 + \bar{K}_2 Q_2 = \bar{Y}_2 \quad Y_1 \downarrow$$

$$Y_3^{n+1} = J_3 \bar{Q}_3 + \bar{K}_3 Q_3 = \bar{Y}_3 \quad Y_2 \downarrow$$

④ 波形图

二分频



Logic Design Counters Manual

Y Pai



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web for flanges with 12 or more bolts 1 st round 20 percent of final torque 2 nd round 40 percent of final torque 3 rd round 80 percent of final torque 4 th round 100 percent of final torque final round clockwise or counter clockwise around the flange please take note the above bolt tightening sequences are the most

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web ensure the bolt lengths allow for a minimum of 2 3 threads protruding beyond the top of the nut when tightened bolts must be tightened according to the below sequence options assemble bolts hand tight maximum 30 of final tightening torque as per below cross pattern sequences

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web step 1 liberally lubricate all load bearing surfaces including threads and flat washers then install and finger tighten all

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web tightening sequence the first pass lightly tighten the first bolt then move directly across or 180 degrees for the second bolt then move 1 4 turn around the circle or 90 degrees for the third bolt and directly across for the fourth continue this sequence until all bolts are tightened when tightening a four bolt flange use a criss cross

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web system be sure to write about what organs the food passes through what each part of the digestive system does and how the parts work together to digest food extension create a map of the digestive system that shows how your favorite food passes through the digestive process

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web digestive system quiz answer key your digestive system works on the foods you eat for about a 5 hours b 10 hours c 15 hours d 20 hours the digestive system breaks down food into a nutrients b amylase c saliva d sphincters during the process of absorption nutrients from food go from a the intestines into the bladder b the blood into the organs

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web briefly explain the process of digestion digestion occurs in two ways the mechanical and the chemical process as the food enters the oral cavity the tongue utilizes salivato apply enzymes after this the food is then swallowed down to the stomach passing the esophagus where it is applied to more digestion

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web terms in this set 20 what are the 3 main functions of the digestive system 1 breaking down food into molecules the body can use 2 absorbing the molecules through blood to be carried throughout the body 3 eliminating waste from the body digestion the process by which your body breaks down food into small nutrient molecules

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web food is digested in the stomach 2 the digestive system breaks down food 3 teeth break foods into small pieces what you learned 1 teeth carry out mechanical digestion 2 an enzyme in saliva breaks down starches into sugars 3 muscle contractions called peristalsis push food toward the stomach

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web begins the process of chemical digestion saliva secreted by salivary glands aids the mechanical and chemical process of digestion saliva is about 99 water and not only moistens food but cleanses the mouth dissolves food chemicals so they can be tasted and contains enzymes that start the chemical breakdown of starchy foods

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web the process by which the body breaks down food into small nutrient molecules absorption the process by which nutrient

molecules pass through the wall of the digestive system into the blood

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web while some digestion occurs in the stomach the process actually begins in the mouth where chewing and salivary amylase act on the food the digestive system does not produce urine some people think that the digestive system has two outlets one for feces and one for urine

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web jan 17 2023 this mechanical and chemical breakdown encompasses the process of digestion to recap these twin processes mechanical digestion larger pieces of food get broken down into smaller pieces while being prepared for chemical digestion this process starts in the mouth and continues into the stomach

3 3 the digestion and absorption process medicine libretexts - Sep 09 2022

web there are four steps in the digestion process figure 2 3 2 the first step is ingestion which is the collection of food into the digestive tract it may seem a simple process but ingestion involves smelling food thinking about food and the involuntary release of saliva in the mouth to prepare for food entry

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web sep 8 2021 digestive system worksheet answer key the digestive process begins and final digestion and absorption mechanical digestion is the physical breakdown of large pieces of food into food is partly broken down by the process of and by the chemical action of salivary this begins the process of chemical digestion used to cut tear and

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web the digestive system quiz answer key saliva begins the process of breaking down food and makes food moist so it is easier to swallow 2 true or false heartburn occurs when stomach acid moves into the heart heartburn occurs when stomach acid moves up into the esophagus 3 gastric juices help break down food in the stomach 4

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web study guide answer key digestive system 1 state the function of the digestive system 4 components ingest bring food into the body stomach begins the process of breaking proteins down into peptides using pepsin and it continues in the small intestine breaking peptides down into amino acids using trypsin