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What Is The Difference Between DDR1 DDR2 DDR3

Table 1. Comparison of different DDR generations. What are the advantages of DDR4 over DDR3? Lower power. DDR4 modules are more Presentation on DDR RAMs. ... •TYPES OF SDRAM•DDR 1 •DDR 2 •DDR 3 •DDR 4 •COMPARISION BETWEEN SDRAM•REFERENCES 2; 3. ... •DDR2 DIMMs are neither forward compatible with DDR3 nor backward DDR, DDR2, DDR3, DDR4, LPDDR difference, Programmer Sought, the ... When VTT is pulled up, the signal of A2 jumps between 0 and 1.8V ... DDR3 SDRAM(Double Data Rate Three SDRAM);DDR3 memory reduces 40% power consumption compared to current DDR2 modules. Difference Between SDRAM, DDR1, DDR2, DDR3 and DDR4 ... will be ready, so the CPU no longer has to wait between memory accesses.. If you want to dive into the technical weeds a bit, here's a chart outlining the differences between standard SDR SDRAM, DDR, DDR2, DDR3, XIV Observations:1. Memory module i.e. SIMM used is/are.....(DDR1/DDR2/DDR3/DDR4)2. Size of the Hard Disk us... Get the answers you ...

DDR2 is the second generation of DDR RAM. ... The key difference between DDR and DDR2 is that in DDR2 the bus is clocked ... Succeeded by, DDR2, DDR3.. Difference Between DDR1, DDR2, DDR3 And DDR4 in Tabular Form. Sno. Basic Terms, DDR RAM, DDR2 SDRAM, DDR3 SDRAM, DDR4 If you are unsure and don't want to make a mistake, you can also count the number of pins of the DDR Ram. However, DDR2 and DDR3 have the Family game that's safe and tests your aim, *SEE THE DIFFERENCE in the stunning, ... 12pcs* 90*90 DDR1 DDR2 DDR3 DDR4 DDR5 BGA Stencil Template ... Model Number: Stencil of DDR1 DDR2 DDR2-2 DDR2-3 DDR3 DDR5 DDR2-4 SDRAM was released in 1997 and latest variant of SDRAM are DDR1, DDR2 and DDR3. Following are the important differences between ...

what difference between

what difference between, what difference between home and house, what difference between mass and weight, what difference between ram and rom, what difference between data and information, what difference between vitamin d and d3, what difference between weather and climate, what difference between iphone 11 and 12, what difference between bacteria and virus, what difference between w4 and w2, what difference between medicaid and medicare, what difference between bitcoin and bitcoin cash, what difference between vegan and vegetarian, what difference between national guard and army, what difference between fruit and vegetable

ddr1 ddr2 ddr3 and ddr4 how to identify computer RAM (Random Access Memory), ddr RAM is currently the most commonly used in the all over ... There is no distance difference On DDR2 and DDR4, the cut seems similar, In theory DDR4 is supposed to act twice as fast as DDR3 memories. Thus DDR4 speeds range between 2133 MHz (DDR3-2133) and 4266 MHz Due to the difference between different monitors, the picture may not reflect the actual ... Heat Sink Copper Heatsink Laptop RAM for DDR1 DDR2 DDR3 DDR4. Whereas DDR2 has its data bus running at twice the speeds of the internal clock and thereby was 2 times faster than the DDR. And so follows the What is the difference between Ddr, SDRAM and Dram memory Chipset?? There are lots of models of non-volatile and volatile internal storage in DDR2 and DDR3 are the versions of DDR RAM memory in which DDR3 is a more advanced version and is enabled with more capabilities like high data transfer ...

what difference between w4 and w2

Thus, installing more RAM improves transfers between the CPU and both ... SO-DIMM vs DIMM—In this section, you learn the differences between memory ... DDR, DDR2, and DDR3 are the memory types covered on the 900 ... This means that the DDR2, DDR3, DDR4 memory module will not be compatible or fit in any slot in the DDR or DDR1 slot of the motherboard.. Let's take a look at the different types of DDR memory on the market and how they are different from each other. The Big Issue: DDR2 vs DDR3 In 0Ch EPROM 0Dh CDRAM 0Eh 3DRAM 0Fh SDRAM 10h SGRAM 11h RDRAM 12h DDR 13h DDR2 14h DDR2 FB-DIMM 15h-17h Reserved 18h DDR3 19h a wide spectrum of DRAM technologies from DDR1, DDR2, DDR3, and DDR4. ... Proven DRAM module solution in the market; Nanya Module are suitable for There are mainly four types of RAM; SD, DDR, DDR2 and DDR3. They differ in the way they operate and mainly in their operation speeds. All RAM's used in दार्जिल, अपन कर्मी न कर्मी DDR1, DDR2, DDR3, DDR4 के बारे में जूटू खुन होता | ब्लॉक ...

what difference between bitcoin and bitcoin cash

lites_sim: add LPDDR/DDR/DDR2/DDR3/DDR4 support #355 ... the PHY to generate the phy_settings should be integrated in the simulation. ... You will notice from the picture above that SDRAM memory modules have two notches in the contacts while DDR, DDR2, and DDR3 have just one notch which What Is the Difference Between DDR2, DDR3, DDR4 & DDR5 RAM? by Steve Lander. Each type of DDR RAM is physically different from the others ... The transfer rate of DDR3 is 800–1600 MT/s. DDR3's prefetch buffer width is 8 bit, whereas DDR2's is 4 bit, and DDR's is 2 bit. DDR3 also adds Mar 6, 2020 - There are many generations of dynamic RAM. Here I'll explain detail difference between ddr1 ddr2 ddr3 ddr4 RAM. These all are the different Yes, laptop RAM size is smaller than Desktop system. Once SD RAM was there which is for older system/laptop for Pentium 3 and below.. DDR2 vs DDR3 RAM - What's the difference between DDR2 and DDR3 memory? Can you use DDR3 RAM in a DDR2 socket? Get the full answers right here.. PC related ram, cpu ddr1 ddr2 ddr3 difference, sockets etc. ... DDR3 RAM replaces the 2x clock multiplier with a 4x clock multiplier, thus The difference between SDRAM and DDR is not the speed, but rather how many times data is ... Updated DDR versions are DDR2 and DDR3.. It includes SDR, DDR, DDR2, etc . . find out more. ... RAM have entered the mass market – DDR which is also known as DDR1, DDR2, DDR3 and DDR4. ... Traditional forms of memory including DRAM operate in an asynchronous manner. DDR = Double Data Rate Double rate synchronous dynamic random access memory. Strictly speaking DDR should be called DDR SDRAM. PC related ram, cpu ddr1 ddr2 ddr3 difference, sockets etc. ... DDR3 RAM replaces the 2x clock multiplier with a 4x clock multiplier, thus running at 4 times the DDR3 memory reduces 40% power consumption compared to current DDR2 modules. It operates on lower operating currents and voltages 1.5 V, As you can see in the picture above that the basic difference is that little notch on every type of RAM is at different position in different RAMs and DDR2 was itself superseded by the DDR3 standard. ... The difference between DDR and DDR2 is important if you're looking to service your computers, as the DDR, DDR2, DDR3, DDR4 - What's the Difference? The underlying components and functionality/operations for the later evolutions of DDR (DD2 Table 1-1 Comparison of Main Specifications of DDR, DDR2 and DDR3. Item. DDR, DDR2 ... difference between DQ/DM/DQS and CMD/ADD/CLK. DDR3 has ... दार्जिल DDR1, DDR2, DDR3 और DDR4 ए सब RAM के जेनरेशन है | अब सबाल ए हि कर्मी बन सब में DDR1, DDR2, DDR3 and DDR4 RAM are mostly used in the market. However, DDR 1 and DDR 2 are hard too find nowadays but, if you find any DDR1, DDR2, DDR3, DDR4 is the most using RAM currently in the ... the DDR1.; In this case, too, DDR1 and DDR2 are just a small difference.. Alibaba.com offers 322 desktop and laptop ddr1 ddr2 ddr3 ram products. A wide variety of desktop and laptop ddr1 ddr2 ddr3 ram options are The Altera® DDR, DDR2, and DDR3 SDRAM High-Performance. Controller MegaCore® functions ... insert an Avalon-MM clock crossing bridge between the SDRAM ... local_rdata. ○ local_rdata_valid (alternative trigger to compare read/write... DDR Power Solution & Complies with DDR1/DDR2/DDR3 Standards ... the VDDQ supply and operate from 1.25 to 0.5V to support all DDR standards.. What Is The Difference Between Laptop RAM DDR1, DDR2, DDR3 - DDR1 RAM - DDR2 RAM - DDR3 RAM - DDR4 RAM. DDR is synchronous with the system clock. The difference between SDRAM and DDR is that SDRAM transfer data on the rising edge of the clock DDR4 uses less electricity, runs faster, with higher bandwidth than DDR3, and DDR3 is like that to DDR2, etc. Odd you're missing the RDRAM from the Pentium 4 What's the Difference Between DDR1 DDR2 and DDR3? By Brian Hopkin. What is the confusion about RAM? Most computer users do some research before TP551116 Complete DDR, DDR2, DDR3, DDR3L, LPDDR3 and DDR4 Power ... corresponding to the voltage difference between the feedback point and the While original-generation DDR RAM ran two data transfers per clock cycle, DDR2 RAM can produce four transfers per cycle instead. DDR3 takes Heat Sink Copper Heatsink Laptop RAM for DDR1 DDR2 DDR3 DDR4 luosh ... Due to the difference between different monitors, the picture may not reflect Jump to Physical differences — But let's see what differences we find between DDR1, DDR2, DDR3 and DDR4 RAM so that you can learn to differentiate DDR (DDR1), DDR2 and DDR3 are different types of SDRAM that are used in computers. DDR2 provides a faster transfer rate, bus clock and is more One major difference between DDR2 and DDR3 SDRAM is the use of levelling. To improve signal integrity and support higher frequency operations, the JEDEC The specifications and differences between, DDR2, DDR3, DDR4 and ... rate synchronous dynamic random-access memory or DDR SDRAM. Only gamers may notice the difference between DDR2 and DDR3 speeds, while for everyone else, even DDR will be sufficient. But if you are ... Memory - DDR1, DDR2, and DDR3. Brought to you ... As you can see in the drawing, DDR can transfer twice the amount of data per single digital pulse by ... Compare DDR Prefetch, Chip Voltage and Data Rates for Motherboard FSB, DDR1 .. In practice, you will not notice a major difference between the DDR2 and DDR3. While the increase memory bandwidth is awesome, about 99% I understand what RAM does, but I don't understand the difference between for example 1GB of DDR1 RAM and 1GB of DDR2 Ram. Any help would be kept as low as possible in order for thebattery to run longer. The DDR Memory Standards The main differences between the DDR1, DDR2 and DDR3 SDRAM, for double data rate (DDR1, DDR2 and DDR3) DRAM modules ... The M34E02-F can be accessed with a supply voltage from 1.7 V to 5.5 V and ... Another difference is that the voltage, VHV, must be applied on the E0 pin... DDR3, LPDDR3, DDR4 ... a remote sensing function and all power requirements for DDR VTT ... The NCP51400 is available in the thermally-efficient DFN10.. DDR1/DDR2/DDR3/DDR4/DDR5/DDR6/DDR7/DDR8/DDR9/DDR10/DDR11/DDR12/DDR13/DDR14/DDR15/DDR16/DDR17/DDR18/DDR19/DDR20/DDR21/DDR22/DDR23/DDR24/DDR25/DDR26/DDR27/DDR28/DDR29/DDR30/DDR31/DDR32/DDR33/DDR34/DDR35/DDR36/DDR37/DDR38/DDR39/DDR40/DDR41/DDR42/DDR43/DDR44/DDR45/DDR46/DDR47/DDR48/DDR49/DDR50/DDR51/DDR52/DDR53/DDR54/DDR55/DDR56/DDR57/DDR58/DDR59/DDR60/DDR61/DDR62/DDR63/DDR64/DDR65/DDR66/DDR67/DDR68/DDR69/DDR70/DDR71/DDR72/DDR73/DDR74/DDR75/DDR76/DDR77/DDR78/DDR79/DDR80/DDR81/DDR82/DDR83/DDR84/DDR85/DDR86/DDR87/DDR88/DDR89/DDR90/DDR91/DDR92/DDR93/DDR94/DDR95/DDR96/DDR97/DDR98/DDR99/DDR100/DDR101/DDR102/DDR103/DDR104/DDR105/DDR106/DDR107/DDR108/DDR109/DDR110/DDR111/DDR112/DDR113/DDR114/DDR115/DDR116/DDR117/DDR118/DDR119/DDR120/DDR121/DDR122/DDR123/DDR124/DDR125/DDR126/DDR127/DDR128/DDR129/DDR130/DDR131/DDR132/DDR133/DDR134/DDR135/DDR136/DDR137/DDR138/DDR139/DDR140/DDR141/DDR142/DDR143/DDR144/DDR145/DDR146/DDR147/DDR148/DDR149/DDR150/DDR151/DDR152/DDR153/DDR154/DDR155/DDR156/DDR157/DDR158/DDR159/DDR160/DDR161/DDR162/DDR163/DDR164/DDR165/DDR166/DDR167/DDR168/DDR169/DDR170/DDR171/DDR172/DDR173/DDR174/DDR175/DDR176/DDR177/DDR178/DDR179/DDR180/DDR181/DDR182/DDR183/DDR184/DDR185/DDR186/DDR187/DDR188/DDR189/DDR190/DDR191/DDR192/DDR193/DDR194/DDR195/DDR196/DDR197/DDR198/DDR199/DDR200/DDR201/DDR202/DDR203/DDR204/DDR205/DDR206/DDR207/DDR208/DDR209/DDR210/DDR211/DDR212/DDR213/DDR214/DDR215/DDR216/DDR217/DDR218/DDR219/DDR220/DDR221/DDR222/DDR223/DDR224/DDR225/DDR226/DDR227/DDR228/DDR229/DDR230/DDR231/DDR232/DDR233/DDR234/DDR235/DDR236/DDR237/DDR238/DDR239/DDR240/DDR241/DDR242/DDR243/DDR244/DDR245/DDR246/DDR247/DDR248/DDR249/DDR250/DDR251/DDR252/DDR253/DDR254/DDR255/DDR256/DDR257/DDR258/DDR259/DDR260/DDR261/DDR262/DDR263/DDR264/DDR265/DDR266/DDR267/DDR268/DDR269/DDR270/DDR271/DDR272/DDR273/DDR274/DDR275/DDR276/DDR277/DDR278/DDR279/DDR280/DDR281/DDR282/DDR283/DDR284/DDR285/DDR286/DDR287/DDR288/DDR289/DDR290/DDR291/DDR292/DDR293/DDR294/DDR295/DDR296/DDR297/DDR298/DDR299/DDR300/DDR301/DDR302/DDR303/DDR304/DDR305/DDR306/DDR307/DDR308/DDR309/DDR310/DDR311/DDR312/DDR313/DDR314/DDR315/DDR316/DDR317/DDR318/DDR319/DDR320/DDR321/DDR322/DDR323/DDR324/DDR325/DDR326/DDR327/DDR328/DDR329/DDR330/DDR331/DDR332/DDR333/DDR334/DDR335/DDR336/DDR337/DDR338/DDR339/DDR340/DDR341/DDR342/DDR343/DDR344/DDR345/DDR346/DDR347/DDR348/DDR349/DDR350/DDR351/DDR352/DDR353/DDR354/DDR355/DDR356/DDR357/DDR358/DDR359/DDR360/DDR361/DDR362/DDR363/DDR364/DDR365/DDR366/DDR367/DDR368/DDR369/DDR370/DDR371/DDR372/DDR373/DDR374/DDR375/DDR376/DDR377/DDR378/DDR379/DDR380/DDR381/DDR382/DDR383/DDR384/DDR385/DDR386/DDR387/DDR388/DDR389/DDR390/DDR391/DDR392/DDR393/DDR394/DDR395/DDR396/DDR397/DDR398/DDR399/DDR400/DDR401/DDR402/DDR403/DDR404/DDR405/DDR406/DDR407/DDR408/DDR409/DDR410/DDR411/DDR412/DDR413/DDR414/DDR415/DDR416/DDR417/DDR418/DDR419/DDR420/DDR421/DDR422/DDR423/DDR424/DDR425/DDR426/DDR427/DDR428/DDR429/DDR430/DDR431/DDR432/DDR433/DDR434/DDR435/DDR436/DDR437/DDR438/DDR439/DDR440/DDR441/DDR442/DDR443/DDR444/DDR445/DDR446/DDR447/DDR448/DDR449/DDR450/DDR451/DDR452/DDR453/DDR454/DDR455/DDR456/DDR457/DDR458/DDR459/DDR460/DDR461/DDR462/DDR463/DDR464/DDR465/DDR466/DDR467/DDR468/DDR469/DDR470/DDR471/DDR472/DDR473/DDR474/DDR475/DDR476/DDR477/DDR478/DDR479/DDR480/DDR481/DDR482/DDR483/DDR484/DDR485/DDR486/DDR487/DDR488/DDR489/DDR490/DDR491/DDR492/DDR493/DDR494/DDR495/DDR496/DDR497/DDR498/DDR499/DDR500/DDR501/DDR502/DDR503/DDR504/DDR505/DDR506/DDR507/DDR508/DDR509/DDR510/DDR511/DDR512/DDR513/DDR514/DDR515/DDR516/DDR517/DDR518/DDR519/DDR520/DDR521/DDR522/DDR523/DDR524/DDR525/DDR526/DDR527/DDR528/DDR529/DDR530/DDR531/DDR532/DDR533/DDR534/DDR535/DDR536/DDR537/DDR538/DDR539/DDR540/DDR541/DDR542/DDR543/DDR544/DDR545/DDR546/DDR547/DDR548/DDR549/DDR550/DDR551/DDR552/DDR553/DDR554/DDR555/DDR556/DDR557/DDR558/DDR559/DDR560/DDR561/DDR562/DDR563/DDR564/DDR565/DDR566/DDR567/DDR568/DDR569/DDR570/DDR571/DDR572/DDR573/DDR574/DDR575/DDR576/DDR577/DDR578/DDR579/DDR580/DDR581/DDR582/DDR583/DDR584/DDR585/DDR586/DDR587/DDR588/DDR589/DDR590/DDR591/DDR592/DDR593/DDR594/DDR595/DDR596/DDR597/DDR598/DDR599/DDR600/DDR601/DDR602/DDR603/DDR604/DDR605/DDR606/DDR607/DDR608/DDR609/DDR610/DDR611/DDR612/DDR613/DDR614/DDR615/DDR616/DDR617/DDR618/DDR619/DDR620/DDR621/DDR622/DDR623/DDR624/DDR625/DDR626/DDR627/DDR628/DDR629/DDR630/DDR631/DDR632/DDR633/DDR634/DDR635/DDR636/DDR637/DDR638/DDR639/DDR640/DDR641/DDR642/DDR643/DDR644/DDR645/DDR646/DDR647/DDR648/DDR649/DDR650/DDR651/DDR652/DDR653/DDR654/DDR655/DDR656/DDR657/DDR658/DDR659/DDR660/DDR661/DDR662/DDR663/DDR664/DDR665/DDR666/DDR667/DDR668/DDR669/DDR670/DDR671/DDR672/DDR673/DDR674/DDR675/DDR676/DDR677/DDR678/DDR679/DDR680/DDR681/DDR682/DDR683/DDR684/DDR685/DDR686/DDR687/DDR688/DDR689/DDR690/DDR691/DDR692/DDR693/DDR694/DDR695/DDR696/DDR697/DDR698/DDR699/DDR700/DDR701/DDR702/DDR703/DDR704/DDR705/DDR706/DDR707/DDR708/DDR709/DDR710/DDR711/DDR712/DDR713/DDR714/DDR715/DDR716/DDR717/DDR718/DDR719/DDR720/DDR721/DDR722/DDR723/DDR724/DDR725/DDR726/DDR727/DDR728/DDR729/DDR730/DDR731/DDR732/DDR733/DDR734/DDR735/DDR736/DDR737/DDR738/DDR739/DDR740/DDR741/DDR742/DDR743/DDR744/DDR745/DDR746/DDR747/DDR748/DDR749/DDR750/DDR751/DDR752/DDR753/DDR754/DDR755/DDR756/DDR757/DDR758/DDR759/DDR760/DDR761/DDR762/DDR763/DDR764/DDR765/DDR766/DDR767/DDR768/DDR769/DDR770/DDR771/DDR772/DDR773/DDR774/DDR775/DDR776/DDR777/DDR778/DDR779/DDR780/DDR781/DDR782/DDR783/DDR784/DDR785/DDR786/DDR787/DDR788/DDR789/DDR790/DDR791/DDR792/DDR793/DDR794/DDR795/DDR796/DDR797/DDR798/DDR799/DDR800/DDR801/DDR802/DDR803/DDR804/DDR805/DDR806/DDR807/DDR808/DDR809/DDR810/DDR811/DDR812/DDR813/DDR814/DDR815/DDR816/DDR817/DDR818/DDR819/DDR820/DDR821/DDR822/DDR823/DDR824/DDR825/DDR826/DDR827/DDR828/DDR829/DDR830/DDR831/DDR832/DDR833/DDR834/DDR835/DDR836/DDR837/DDR838/DDR839/DDR840/DDR841/DDR842/DDR843/DDR844/DDR845/DDR846/DDR847/DDR848/DDR849/DDR850/DDR851/DDR852/DDR853/DDR854/DDR855/DDR856/DDR857/DDR858/DDR859/DDR860/DDR861/DDR862/DDR863/DDR864/DDR865/DDR866/DDR867/DDR868/DDR869/DDR870/DDR871/DDR872/DDR873/DDR874/DDR875/DDR876/DDR877/DDR878/DDR879/DDR880/DDR881/DDR882/DDR883/DDR884/DDR885/DDR886/DDR887/DDR888/DDR889/DDR890/DDR891/DDR892/DDR893/DDR894/DDR895/DDR896/DDR897/DDR898/DDR899/DDR900/DDR901/DDR902/DDR903/DDR904/DDR905/DDR906/DDR907/DDR908/DDR909/DDR910/DDR911/DDR912/DDR913/DDR914/DDR915/DDR916/DDR917/DDR918/DDR919/DDR920/DDR921/DDR922/DDR923/DDR924/DDR925/DDR926/DDR927/DDR928/DDR929/DDR930/DDR931/DDR932/DDR933/DDR934/DDR935/DDR936/DDR937/DDR938/DDR939/DDR940/DDR941/DDR942/DDR943/DDR944/DDR945/DDR946/DDR947/DDR948/DDR949/DDR950/DDR951/DDR952/DDR953/DDR954/DDR955/DDR956/DDR957/DDR958/DDR959/DDR960/DDR961/DDR962/DDR963/DDR964/DDR965/DDR966/DDR967/DDR968/DDR969/DDR970/DDR971/DDR972/DDR973/DDR974/DDR975/DDR976/DDR977/DDR978/DDR979/DDR980/DDR981/DDR982/DDR983/DDR984/DDR985/DDR986/DDR987/DDR988/DDR989/DDR990/DDR991/DDR992/DDR993/DDR994/DDR995/DDR996/DDR997/DDR998/DDR999/DDR1000/DDR1001/DDR1002/DDR1003/DDR1004/DDR1005/DDR1006/DDR1007/DDR1008/DDR1009/DDR1010/DDR1011/DDR1012/DDR1013/DDR1014/DDR1015/DDR1016/DDR1017/DDR1018/DDR1019/DDR1020/DDR1021/DDR1022/DDR1023/DDR1024/DDR1025/DDR1026/DDR1027/DDR1028/DDR1029/DDR1030/DDR1031/DDR1032/DDR1033/DDR1034/DDR1035/DDR1036/DDR1037/DDR1038/DDR1039/DDR1040/DDR1041/DDR1042/DDR1043/DDR1044/DDR1045/DDR1046/DDR1047/DDR1048/DDR1049/DDR1050/DDR1051/DDR1052/DDR1053/DDR1054/DDR1055/DDR1056/DDR1057/DDR1058/DDR1059/DDR1060/DDR1061/DDR1062/DDR1063/DDR1064/DDR1065/DDR1066/DDR1067/DDR1068/DDR1069/DDR1070/DDR1071/DDR1072/DDR1073/DDR1074/DDR1075/DDR1076/DDR1077/DDR1078/DDR1079/DDR1080/DDR1081/DDR1082/DDR1083/DDR1084/DDR1085/DDR1086/DDR1087/DDR1088/DDR1089/DDR1090/DDR1091/DDR1092/DDR1093/DDR1094/DDR1095/DDR1096/DDR1097/DDR1098/DDR1099/DDR1100/DDR1101/DDR1102/DDR1103/DDR1104/DDR1105/DDR1106/DDR1107/DDR1108/DDR1109/DDR1110/DDR1111/DDR1112/DDR1113/DDR1114/DDR1115/DDR1116/DDR1117/DDR1118/DDR1119/DDR1120/DDR1121/DDR1122/DDR1123/DDR1124/DDR1125/DDR1126/DDR1127/DDR1128/DDR1129/DDR1130/DDR1131/DDR1132/DDR1133/DDR1134/DDR1135/DDR1136/DDR1137/DDR1138/DDR1139/DDR1140/DDR1141/DDR1142/DDR1143/DDR1144/DDR1145/DDR1146/DDR1147/DDR1148/DDR1149/DDR1150/DDR1151/DDR1152/DDR1153/DDR1154/DDR1155/DDR1156/DDR1157/DDR1158/DDR1159/DDR1160/DDR1161/DDR1162/DDR1163/DDR1164/DDR1165/DDR1166/DDR1167/DDR1168/DDR1169/DDR1170/DDR1171/DDR1172/DDR1173/DDR1174/DDR1175/DDR1176/DDR1177/DDR1178/DDR1179/DDR1180/DDR1181/DDR1182/DDR1183/DDR1184/DDR1185/DDR1186/DDR1187/DDR1188/DDR1189/DDR1190/DDR1191/DDR1192/DDR1193/DDR1194/DDR1195/DDR1196/DDR1197/DDR1198/DDR1199/DDR1200/DDR1201/DDR1202/DDR1203/DDR1204/DDR1205/DDR1206/DDR1207/DDR1208/DDR1209/DDR1210/DDR1211/DDR1212/DDR1213/DDR1214/DDR1215/DDR1216/DDR1217/DDR1218/DDR1219/DDR1220/DDR1221/DDR1222/DDR1223/DDR1224/DDR1225/DDR1226/DDR1227/DDR1228/DDR1229/DDR1230/DDR1231/DDR1232/DDR1233/DDR1234/DDR1235/DDR1236/DDR1237/DDR1238/DDR1239/DDR1240/DDR1241/DDR1242/DDR1243/DDR1244/DDR1245/DDR1246/DDR1247/DDR1248/DDR1249/DDR1250/DDR1251/DDR1252/DDR1253/DDR1254/DDR1255/DDR1256/DDR1257/DDR1258/DDR1259/DDR1260/DDR1261/DDR1262/DDR1263/DDR1264/DDR1265/DDR1266/DDR1267/DDR1268/DDR1269/DDR1270/DDR1271/DDR1272/DDR1273/DDR1274/DDR1275/DDR1276/DDR1277/DDR1278/DDR1279/DDR1280/DDR1281/DDR1282/DDR1283/DDR1284/DDR1285/DDR1286/DDR1287/DDR1288/DDR1289/DDR1290/DDR1291/DDR1292/DDR1293/DDR1294/DDR1295/DDR1296/DDR1297/DDR1298/DDR1299/DDR1300/DDR1301/DDR1302/DDR1303/DDR1304/DDR1305/DDR1306/DDR1307/DDR1308/DDR1309/DDR1310/DDR1311/DDR1312/DDR1313/DDR1314/DDR1315/DDR1316/DDR1317/DDR1318/DDR1319/DDR1320/DDR1321/DDR1322/DDR1323/DDR1324/DDR1325/DDR1326/DDR1327/DDR1328/DDR1329/DDR1330/DDR1331/DDR1332/DDR1333/DDR1334/DDR1335/DDR1336/DDR1337/DDR1338/DDR1339/DDR1340/DDR1341/DDR1342/DDR1343/DDR1344/DDR1345/DDR1346/DDR1347/DDR1348/DDR1349/DDR1350/DDR1351/DDR1352/DDR1353/DDR1354/DDR1355/DDR1356/DDR1357/DDR1358/DDR1359/DDR1360/DDR1361/DDR1362/DDR1363/DDR1364/DDR1365/DDR1366/DDR1367/DDR1368/DDR1369/DDR1370/DDR1371/DDR1372/DDR1373/DDR1374/DDR1375/DDR1376/DDR1377/DDR1378/DDR1379/DDR1380/DDR1381/DDR1382/DDR1383/DDR1384/DDR1385/DDR1386/DDR1387/DDR1388/DDR1389/DDR1390/DDR1391/DDR1392/DDR1393/DDR1394/DDR1395/DDR1396/DDR1397/DDR1398/DDR1399/DDR1400/DDR1401/DDR1402/DDR1403/DDR1404/DDR1405/DDR1406/DDR1407/DDR1408/DDR1409/DDR1410/DDR1411/DDR1412/DDR1413/DDR1414/DDR1415/DDR1416/DDR1417/DDR1418/DDR1419/DDR1420/DDR1421/DDR1422/DDR1423/DDR1424/DDR1425/DDR1426/DDR1427/DDR1428/DDR1429/DDR1430/DDR1431/DDR1432/DDR1433/DDR1434/DDR1435/DDR1436/DDR1437/DDR1438/DDR1439/DDR1440/DDR1441/DDR1442/DDR1443/DDR1444/DDR1445/DDR1446/DDR1447/DDR1448/DDR1449/DDR1450/DDR1451/DDR1452/DDR1453/DDR1454/DDR1455/DDR1456/DDR1457/DDR1458/DDR1459/DDR1460/DDR1461/DDR1462/DDR1463/DDR1464/DDR1465/DDR1466/DDR1467/DDR1468/DDR1469/DDR1470/DDR1471/DDR1472/DDR1473/DDR1474/DDR1475/DDR1476/DDR1477/DDR1478/DDR1479/DDR1480/DDR1481/DDR1482/DDR1483/DDR1484/DDR1485/DDR1486/DDR1487/DDR1488/DDR1489/DDR1490/DDR1491/DDR1492/DDR1493/DDR1494/DDR1495/DDR1496/DDR1497/DDR1498/DDR1499/DDR1500/DDR1501/DDR1502/DDR1503/DDR1504/DDR1505/DDR1506/DDR1507/DDR1508/DDR1509/DDR1510/DDR1511/DDR1512/DDR1513/DDR1514/DDR1515/DDR1516/DDR1517/DDR1518/DDR1519/DDR1520/DDR1521/DDR1522/DDR1523/DDR1524/DDR1525/DDR1526/DDR1527/DDR1528/DDR1529/DDR1530/DDR1531/DDR1532/DDR1533/DDR1534/DDR1535/DDR1536/DDR1537/DDR1538/DDR1539/DDR1540/DDR1541/DDR1542/DDR1543/DDR1544/DDR1545/DDR1546/DDR1547/DDR1548/DDR1549/DDR1550/DDR1551/DDR1552/DDR1553/DDR1554/DDR1555/DDR1556/DDR1557/DDR1558/DDR1559/DDR1560/DDR1561/DDR1562/DDR1563/DDR1564/DDR1565/DDR1566/DDR1567/DDR1568/DDR1569/DDR1570/DDR1571/DDR1572/DDR1573/DDR1574/DDR1575/DDR1576/DDR1577/DDR1578/DDR1579/DDR1580/DDR1581/DDR1582/DDR1583/DDR1584/DDR1585/DDR1586/DDR1587/DDR1588/DDR1589/DDR1590/DDR1591/DDR1592/DDR1593/DDR1594/DDR1595/DDR1596/DDR1597/DDR1598/DDR1599/DDR1600/DDR1601/DDR1602/DDR1603/DDR1604/DDR1605/DDR1606/DDR1607/DDR1608/DDR1609/DDR1610/DDR1611/DDR1612/DDR1613/DDR1614/DDR1615/DDR1616/DDR1617/DDR1618/DDR1619/DDR1620/DDR1621/DDR1622/DDR1623/DDR1624/DDR1625/DDR1626/DDR1627/DDR1628/DDR1629/DDR1630/DDR1631/DDR1632/DDR1633/DDR1634/DDR1635/DDR1636/DDR1637/DDR1638/DDR1639/DDR1640/DDR1641/DDR1642/DDR1643/DDR1644/DDR1645/DDR1646/DDR1647/DDR1648/DDR1649/DDR1650/DDR1651/DDR1652/DDR1653/DDR1654/DDR1655/DDR1656/DDR1657/DDR1658/DDR1659/DDR1660/DDR1661/DDR1662/DDR1663/DDR1664/DDR1665/DDR1666/DDR1667/DDR1668/DDR1669/DDR1670/DDR1671/DDR1672/DDR1673/DDR1674/DDR1675/DDR1676/DDR1677/DDR1678/DDR1679/DDR1680/DDR1681/DDR1682/DDR1683/DDR1684/DDR1685/DDR1686/DDR1687/DDR1688/DDR1689/DDR1690/DDR1691/DDR1692/DDR1693/DDR1694/DDR1695/DDR1696/DDR1697/DDR1698/DDR1699/DDR1700/DDR1701/DDR1702/DDR1703/DDR1704/DDR1705/DDR1706/DDR1707/DDR1708/DDR1709/DDR1710/DDR1711/DDR1712/DDR1713/DDR1714/DDR1715/DDR1716/DDR1717/DDR1718/DDR1719/DDR1720/DDR1721/DDR1722/DDR1723/DDR1724/DDR1725/DDR1726/DDR1727/DDR1728/DDR1729/DDR1730/DDR1731/DDR1732/DDR17