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| <p>☺ GAME EVALUATION CRITERIA</p> <ul style="list-style-type: none"> <li>• Category Biases</li> <li>• Scale 1 to 7             <ul style="list-style-type: none"> <li>– Clarity</li> <li>– Flow</li> </ul> </li> <li>• Strongest Point</li> <li>• Weakest Point</li> </ul> <div> <ul style="list-style-type: none"> <li>– Balance</li> <li>– Length</li> </ul> <ul style="list-style-type: none"> <li>– Integrity</li> <li>– Fun</li> </ul> </div> <ul style="list-style-type: none"> <li>• One Change</li> <li>• Comparable Games</li> </ul> <p>EMERGENCE </p> | <p>PARADIGM: 1 HARDWARE AND COMPUTERS</p> <p>Hardware refers to the physical components of a computer, such as the processor (CPU), memory (RAM), storage (HDD/SSD), motherboard, and peripherals like keyboards and monitors.</p> <p>Reqs:</p> <p>EMERGENCE </p>                                   |
| <p>PARADIGM: 1 IBM MAINFRAME</p> <p>IBM mainframes are powerful, high-performance computers designed for large-scale processing, critical applications, and enterprise computing.</p> <p>Reqs: Hardware and Computers</p> <p>EMERGENCE </p>   | <p>PARADIGM: 1 IBM 701</p> <p>IBM 701, called SHARE, and that of Digital Equipment Corporation (DEC), called DECUS, were formed to facilitate the exchange of software. It is IBM's first commercial scientific computer, introduced in 1952.</p> <p>Reqs: IBM mainframe</p> <p>EMERGENCE </p>      |
| <p>PARADIGM: 1 STORAGE SYSTEMS</p> <p>Storage systems are hardware and software solutions for saving, managing, and retrieving data.</p> <p>Reqs: Hardware and computers</p> <p>EMERGENCE </p>  | <p>PARADIGM: 2 NETWORKS</p> <p>Networks are systems that connect computers and devices to share data and resources. In 1969, ARPANET, a high-speed network, was built, later leading to the Internet and simplifying software exchange.</p> <p>Reqs: Hardware and Computers</p> <p>EMERGENCE </p> |
| <p>PARADIGM: 2 SOFTWARE</p> <p>Computer software was created in the early half of the 20th century. It is a set of instructions, data, or programs used to operate computers and perform specific tasks.</p> <p>Reqs: Hardware and Computers Storage Systems Networks</p> <p>EMERGENCE </p>   | <p>PARADIGM: 2 PROGRAMMING</p> <p>Programming is the process of writing instructions (code) that a computer can execute. It involves using programming languages like Python, Java, or C++ to create software, websites, and applications.</p> <p>Reqs: Software</p> <p>EMERGENCE </p>            |
| <p>PARADIGM: 3 PROPRIETARY SOFTWARE</p> <p>Software sold under restrictive licenses limits usage, modification, and distribution. In the late 1970s and early 1980s, vendors began marketing software as "Program Products" and enforcing legal restrictions.</p> <p>Reqs: Software</p> <p>EMERGENCE </p>   | <p>PARADIGM: 3 PROPRIETARY OS WITH USER-CONTRIBUTED SOFTWARE.</p> <p>Proprietary operating systems are privately owned and controlled software platforms, restricting modification and distribution.</p> <p>Reqs: Proprietary software</p> <p>EMERGENCE </p>                                      |



HARDWARE AND  
COMPUTERS

| emergence—Game Evaluation |            |         |             |             |
|---------------------------|------------|---------|-------------|-------------|
|                           | 1          | 3       | 5           | 7           |
| <i>Clarity</i>            | Opaque     | Muddy   | Transparent | Water-clear |
| <i>Flow</i>               | Cumbersome | Fraught | Smooth      | Natural     |
| <i>Balance</i>            | Broken     | Fluky   | Sensible    | Fair        |
| <i>Length</i>             | Wrong      | Unfit   | Apt         | Perfect     |
| <i>Integrity</i>          | Eristic    | Erratic | Coherent    | Sound       |
| <i>Fun</i>                | Offputting | Boring  | Engaging    | Exciting    |



IBM 701



IBM MAINFRAME



NETWORKS



STORAGE  
SYSTEMS



PROGRAMMING



SOFTWARE














PROPRIETARY OS  
WITH  
USER-CONTRIBUTED  
SOFTWARE.




PROPRIETARY  
SOFTWARE

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| <p>PARADIGM: 3 ABSENCE OF FREE SOFTWARE OPERATING SYSTEMS</p> <p>Absence of free software operating systems refers to the period when no fully free and open-source operating system was available.<br/>Reqs: Proprietary operating systems with shared user-contributed software.</p> <p>EMERGENCE </p> | <p>PARADIGM: 4 COPYRIGHTS AND PATENTS</p> <p>They protect intellectual property. Before 1974, software was not copyrightable until US Commission on New Technological Uses of Copyrighted Works (CONTU) recognized computer programs as eligible for copyright.<br/>Reqs: Proprietary software</p> <p>EMERGENCE </p>               |
| <p>PARADIGM: 4 TRADEMARKS</p> <p>A trademark is a legally registered symbol, word, or phrase that distinguishes a brand, product, or service from others.<br/>Reqs: Copyrights and Patents</p> <p>EMERGENCE </p>   | <p>PARADIGM: 4 LEASING CONTRACTS</p> <p>A leasing contract is a legal agreement that allows one party to use an asset, such as software or hardware, for a specified period in exchange for payment.<br/>Reqs: Proprietary Software</p> <p>EMERGENCE </p>  |
| <p>PARADIGM: 4 INDUSTRY MONOPOLIZATION</p> <p>Industry monopolization occurs when a single company dominates a market, limiting competition.<br/>Reqs: Copyrights and Patents Proprietary Software</p> <p>EMERGENCE </p>   | <p>PARADIGM: 5 HACKING</p> <p>Hacking is the act of gaining unauthorized access to systems, networks, or data.<br/>Reqs: Programming Networks</p> <p>EMERGENCE </p>  |
| <p>PARADIGM: 5 FREE SHARING OF TECHNOLOGICAL INFORMATION</p> <p>This concept refers to the open exchange of knowledge, designs, and software to encourage innovation and collaboration.<br/>Reqs: Open Source</p> <p>EMERGENCE </p>  | <p>PARADIGM: 6 OPEN SOURCE</p> <p>Open source refers to software with publicly available source code that anyone can inspect, modify, and distribute. In 1998, "open source" was adopted after Netscape's announcement to release Navigator's source code.<br/>Reqs: Software Programming</p> <p>EMERGENCE </p>                  |
| <p>PARADIGM: 6 SOURCEWARE</p> <p>Sourceware was a proposed term for freely available software source code. Tiemann advocated for sourceware as a new label, while Raymond argued for the term open source.<br/>Reqs: Open Source Programming</p> <p>EMERGENCE </p>                                     | <p>PARADIGM: 6 PUBLIC DOMAIN SOFTWARE</p> <p>Public domain software is software that has no copyright restrictions, allowing anyone to use, modify, and distribute it freely. In the 1980s, alongside the free software movement, software with source code was shared on BBS networks.<br/>Reqs: Software</p> <p>EMERGENCE </p> |

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|  <p>COPYRIGHTS AND<br/>PATENTS</p>   |  <p>ABSENCE OF FREE<br/>SOFTWARE OPERATING<br/>SYSTEMS</p>  |
|  <p>LEASING<br/>CONTRACTS</p>        |  <p>TRADEMARKS</p>  |
|  <p>HACKING</p>                    |  <p>INDUSTRY<br/>MONOPOLIZATION</p>                      |
|  <p>OPEN SOURCE</p>                |  <p>FREE SHARING OF<br/>TECHNOLOGICAL<br/>INFORMATION</p> |
|  <p>PUBLIC DOMAIN<br/>SOFTWARE</p> |  <p>SOURCEWARE</p>  |

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| <p>PARADIGM: 6 NON-PROFIT FUNDING AND SUPPORT ORGANIZATION</p> <p>A non-profit funding and support organization is an entity that provides financial and logistical assistance to initiatives without seeking profit, often supporting community-driven projects.<br/>Reqs: Open Source</p> <p>EMERGENCE </p> |  |
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